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Vol. CX.



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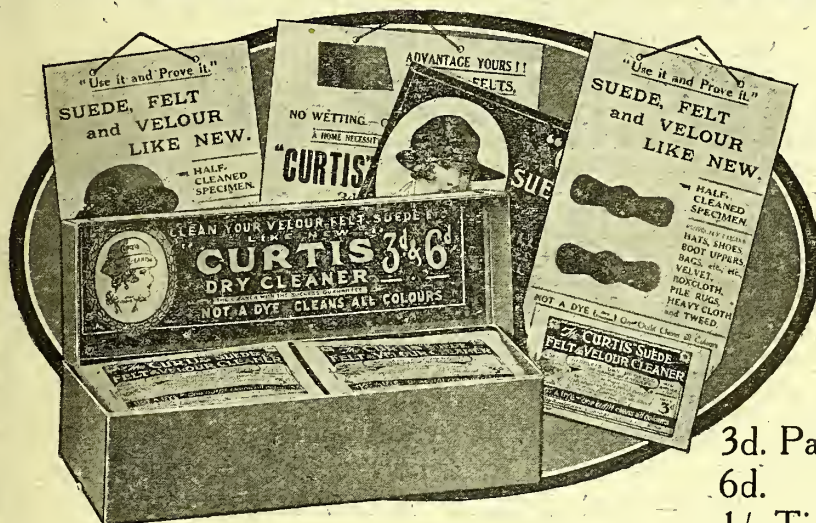
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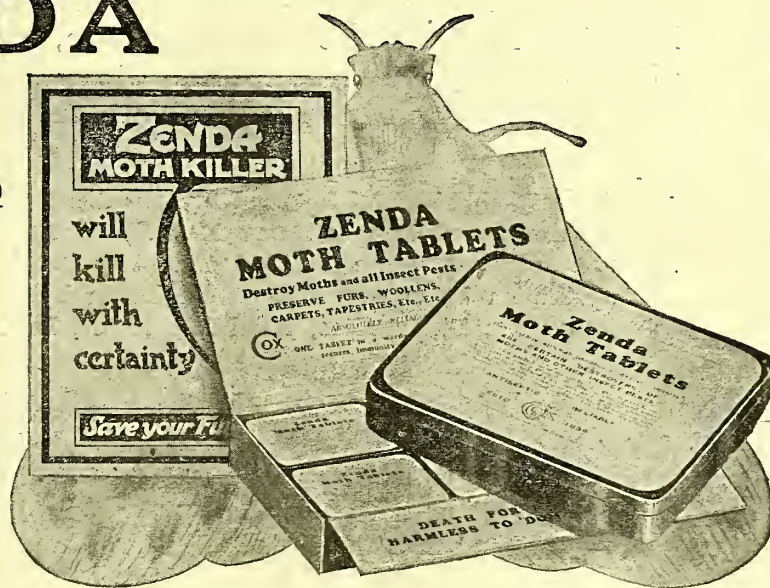
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per 7'1- dozen.

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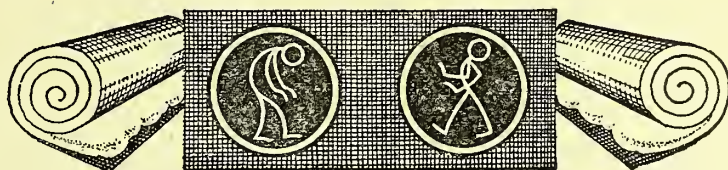
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INDEX TO ADVERTISERS

| | | | | | |
|---|---------|--|---------------|--|---------------|
| Ansary, R., Ltd. (Neroli, &c.) | iv | Calvert, F. C., & Co. (Carbolic Toilet Soap) | 30 | Gollin & Co. Pty., Ltd. ("Aspro") | xiii |
| Armour & Co., Ltd. (Medicinal Products) | 19 | Carr & Co., Ltd. (Bath Rusk) | xx | Gower, John (Books) | Col. Supp. |
| Armstrong Cork Co., Ltd. (Corks) | xxvii | Christy, T., & Co. (So-it-is Denture Powder) | 50 | Graesser-Monsanto Chemical Works, Ltd. (Methyl Salicylate) | Cover |
| Association of Manfg. Chemists, Ltd. (Cover-Col. Supp.) | | Colgate-Palmolive-Peet, Ltd. (Toilet Soap) | 25 | Grout & Co., Ltd. (Crêpe Bandages) | xxvi |
| Auto Dore, Ltd. (Automatic Vending Machines) | 46 | Cook, Geo. (Shopfittings) | xxiii | Hackett, S. E. (Film Overstocks) | Col. Supp. |
| Ava Ultra-Violet Ray Complexion Soap | 21-22 | Cooper Laboratory (Tablets, &c.) | Leader Page | Hall, Forster & Co., Ltd. (Vapourisers) | 53 |
| Ayrton, Saunders & Co., Ltd. (Wholesale Druggists) | 15 | Corrugated Packing Materials Co., Ltd. (Corrugated Paper Boxes, &c.) | 52 | Haller & Phillips, Ltd. (Glycerine) | vi |
| Bailey, R., & Son, Ltd. ("Steraid" Dressings) | 44-xxvi | Cox Arthur H., & Co., Ltd. (Hydrogen Peroxide Solid, &c.) | 1-39-40-41-42 | Hampshire, F. W., & Co., Ltd. (Wasp Flyband) | 47 |
| Bandoeng Quinine Factories | vi | "Daily Mail" | 2 | Harper, C. W. (Honey) | xx |
| Baroux & Bion (Binoculars) | 50 | Dalmas, A. de St., & Co., Ltd. (Liquid Paraffin) | 4 | Henry, T. & W. (Calcined Magnesia) | xx |
| Beechams Pills, Ltd. (June Bonus Offer) | x | Dearborn (1923) Ltd. (Toilet Preps.) | 26 | Hill, Thos., Engineering Co. (Hull), Ltd. (Bottle Washing Machinery) | 47 |
| Beetham, M., & Son (La-rola, &c.) | 30 | Debacq & Harrop (Toilet Preps.) | 30 | Hindes, Ltd. (Hair Brushes) | 36 |
| Bell, John, Hills & Lucas, Ltd. (Pharm. Preps.) | 50 | Dee Oil Co., Ltd. (Petroleum Jelly) | xxiii | Hirst, Brooke & Hirst, Ltd. (Crude Drugs, &c.) | xi |
| Bengué & Co., Ltd. (Bengué's Balsam) | xii | Deshell Laboratories, Ltd. (Petrol-agar) | xii | Hobson, Trimble & Co., Ltd. | 50 |
| Berdoo & Fish (Valuers, &c.) Col. Supp. | | Dick, W. B., & Co., Ltd. (Liquid Paraffin) | xxiv | Holl, Karl (Screw Caps, &c.) | xxi |
| Berg, E., Ltd. (Shopfittings) Col. Supp. | | Dudley & Co., Ltd. (Cash Tills, &c.) | 32-xxi | Howards & Sons, Ltd. (Agotan) | i |
| Blaker, R. S. (Rubber Gloves) | xxvi | Edge, Wm., & Sons, Ltd. (Drummer Dyes) | 52 | Hubbuck, T., & Son, Ltd. (Oxide of Zinc) | viii |
| Bob Martin, Ltd. (Dog Medicines, &c.) | 52 | Essences & Synthetics, Ltd. (Ess. Oils) | 24 | Iglodine Co., Ltd. (Iglodine) | xii |
| Borax Consolidated, Ltd. (Borax) | iii | Evans Sons Lescher & Webb, Ltd. (Menthyl) | xiv | Illingworth, T. & Co. (Films, &c.) | 49 |
| British Drug Houses, Ltd. (Radio-stoleum) | 13 | Fairy Dyes, Ltd. (Home Dyes) | xviii | Ioco Rubber & Waterproofing Co., Ltd. (Rubber Sponges) | 44 |
| British Kork-N-Seal Agency, Ltd. | 43 | Felling Zinc Oxide Co. (Zinc Oxide) | ii | Irving's Yeast Vite, Ltd. | xli |
| British Labrosse Co., Ltd. (Tibo Tooth Brushes) | 35 | Fink, F., & Co. (Gums) | 50 | Johnson & Sons Mfg. Chemists, Ltd. (Galenicals, &c.) | lii |
| British Xylonite Co., Ltd. (Halex Toothbrushes) | 33 | Ford, Shapland & Co., Ltd. (Toilet Paper) | 46 | Josephs, Percy R. E. (Shopfittings) | 48-Col. Supp. |
| Budnip, Ltd. (Powders) | vi | Frankenberg, L. (Razor Blades) | 34 | Josephs, Philip, & Sons, Ltd. (Shopfittings) | Col. Supp. |
| Burge, Warren & Ridgley, Ltd. (Surgical Rubber Goods) | 50 | Fuller, R. L., & Co., Ltd. (Quinine Salts) | vii | Kay Bros., Ltd. (Flycatchers) | 5 |
| Burkett, Sharp & Co., Ltd. (Chemicals) | iv | Gardner, W., & Sons (Glos.), Ltd. (Machinery) | xxv | Kerfoot, T. & Co., Ltd. (Castols) | 17 |
| Burrough, J., Ltd. (Alcohol) Leader Page | | George, Ernest J. (Valuer, &c.) Col. Supp. | | King, G., & Co., Ltd. (Foods) | Cover |
| Burroughs Wellcome & Co. (Rytol, &c.) | 53 | Gilmont Products, Ltd. (New Mix Tooth Paste) | 9 | King, J. C., Ltd. (Showcases, &c.) | xxiv |
| Bush, Beach & Gent, Ltd. (Chemicals) | ii | Gold Seal Proprietaries, Ltd. (Developing Powders) | 34 | Kirby, Douglas & Co. (Monkey Strop) | 36 |
| Butler & Crispe (Saunders' Face Powder) | 7 | | | Lennon, Ltd. (South African Agencies) | vii |
| Butywave Co. (Toilet Preps.) | 32 | | | Levermore, A., & Co., Ltd. (Precipitated Chalk) | 50 |
| | | | | Lewis, H. K., & Co., Ltd. (Books, &c.) | 48 |

[Continued overleaf.]



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Decorative counter display
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Write to-day for prices
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INDEX—cont.

| | | |
|--|--|---|
| Lefthouse & Saltmer, Ltd. (Tablets) viii | Onzo, Ltd. (Ointment) xvi | Sherley, A. F., & Co., Ltd. (Dog and Cat Medicines) 47 |
| Leimer-Marshall, Ltd. (Orange Quinine Wine) 45 | Oppenheimer, Son & Co., Ltd. (Robo-leine) 8 | Sitora Refining Co., Ltd. (Liquid Paraffin, &c.) xxii |
| Lysol, Ltd. (Hinds Honey & Almond Cream, &c.) 20-38 | Orridge & Co. (Valuers, &c.) .. Col. Supp. | Smith, T. & H., Ltd. (Chemicals) iv |
| Manchester Machine & Instrument Manfg. Co., Ltd. (Oxygen Valve) 47 | Owbridge, W. T., Ltd. (Lung Tonic) xvi | South of England College 48 |
| Manchester Tutorial College 50 | Parfumeries de Paris, Ltd. (Toilet Preps.) 37 | Spencer Bros. (Mermaid Face Cloths) 26 |
| Marsden, C. C. (Valuer, &c.) Col. Supp. | Parke, Davis & Co. (Hydrated Magnesia) xv | Sterns, Ltd. (Oils, Petroleum, &c.) xxiii |
| Marshall, C. F., & Son (Dental Plate Brushes, &c.) 48 | Pazo Co. (Pill Boxes) 34 | Stewart, Goodall & Dunlop, Ltd. (Nuctone) 26 |
| Martin, Bob, Ltd. (Dog Medicines, &c.) 52 | Peck Bros. & Winch, Ltd. (Matte Tea) xx | Sunshine Remedies, Ltd. (Toilet Preps, &c.) 26 |
| Mason Pearsoe Selling Agency, Ltd. 36 | Pepsodent Co. (New Premises) 31 | Surgical Hosiery Co., Ltd. xxvi |
| Matthews, D., & Sons (Shopfittings) Col. Supp. | Perry & Hope, Ltd. (Phosphate of Soda) vi | Tatcho Tone Co. (Hair Preps.) 26 |
| Matthews Laboratories, Ltd. (Sterilla Surgical Soap) Leader Page | Pharmaceutical Lanoline Co. xxiv | Thermos, Ltd. (Vacuum Flasks) 10 |
| Maw, S., Son & Sons, Ltd. 11 | Poth, Hille & Co. (Ceresine Wax) xxii | Thompson & Capper Wholesale, Ltd. 16 |
| Mawney Raja, D., & Co. (Gonglyt) xiv | Potter & Clarke, Ltd. (Wholesale Druggists) 51 | Thompson, John (Wholesale Drug-gists, 1921), Ltd. (Photographics) 6 |
| Mawson & Proctor, Ltd. (Majax) ... xxi | Potter & Moore, Ltd. (Mitcham Lavender, &c.) 27-28-29 | Tibo Products Co. (Rex, &c.) 14 |
| May & Baker, Ltd. (Cocaine) Cover | Price, A. S., & Co., Ltd. (Sulphur Tablets) viii | Tomlinson & Hayward, Ltd. Leader Page |
| Meade-King, Robinson & Co., Ltd. (Petroleum Jelly, &c.) xxii | Ransom, W., & Son, Ltd. (Extracts, Tinctures, &c.) Cover | Tecogod, Wm., Ltd. (Insect Bite Stick) 32 |
| Meggesson & Co., Ltd. (Koolette Thirst Quenchers) Cover | Remington Cash Register Sales Co., Ltd. 49 | Vernon & Co., Ltd. (Surgical Dress-ings) 3 |
| Midgley & Parkinson, Ltd. (Yeast Preps.) 50 | Reynolds & Branson, Ltd. ... Leader Page | Von Heyden, Chemische Fabrik (Chemicals) vii |
| Millar, A., & Co., Ltd. (Orange Wine) 50 | Riley, J., & Sons, Ltd. (Hypo) ii | Wagner, R. V. (Bottle Caps) 46 |
| Mond Staffordshire Refining Co., Ltd. (Monsol Prods.) xvii | Roberts & Sheppey (Mel Rose Tablets, &c.) 45 | Warwick Bros., Ltd. (Chemicals) 54 |
| Muir, W. S., & Co., Ltd. (Transparent Paper) xxviii | Roberts' Patent Filling Machine Co. xxv | Warrington Chemical & Drug Co., Ltd. iv |
| Mulford, H. K., Co., Ltd. (Sero-bacterins) xiv | Robinson & Sons, Ltd. (Boxes, Cartons, &c.) 8-xxv | Washington Chemical Co., Ltd. (Pat-tinson's Magnesia) v |
| Murray, S., & Co., Ltd. (Vitreo Colloid) xxvii | Roebuck's Advertising Service (Wanie Blades) 34 | Webster, T., & Co., Ltd. (Stoppers) 46 |
| Myosotis, Ltd. (Perfumery, &c.) 23 | Rowland, A., & Sons, Ltd. (Macassar Oil) 32 | Westminster College of Pharmacy ... 48 |
| Napp, H. R., Ltd. ("Merck" Chemicals) Cover-vi | Rudduck & Co. (Shopfittings) Col. Supp. | Whiffen & Sons, Ltd. (Fine Chemicals) Cover |
| National Union of Drug & Chemical Workers Col. Supp. | Schutze, F., & Co., Ltd. (Compact Powder) 32 | Whitaker & Co. (Hat Dyes, House-hold Dyes) 18 |
| Newall, E. & F., Ltd. (Non-alcoholic Drink, &c.) xxi | Scruton, O., & Co. (Nurse Harvey's Mixture) 48 | White, Tomkins & Courage, Ltd. (Peppermint Oil) 24 |
| Newbery, F., & Sons, Ltd. xviii | Scurr, C. A. (Optical Tuition) 48 | Willows, Francis, Butler & Thomp-son, Ltd. (Pollantin, &c.) xvi |
| Nonn, Ltd., Proprietors of xviii | Shadeine Co. (Hair Dyes) 50 | Wood, T., & Son (Overalls) xxiii |
| Norwegian Cod Liver Oil xix | Shefras Novelty Co. (Weighing Machines) 34 | Woolley, Jas., Sons & Co., Ltd. (Galenicals, &c.) 12 |
| | Sherborne, T., & Co., Ltd. (Surgical Appliances) 50 | Yadil Products (1925), Ltd. xvi |
| | | Zeal, G. H., Ltd. (Clinicals) xxvi |
| | | Zimmermann, C., & Co. (Chem.), Ltd. ix |

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(WHOLESALE)
(DRUGGISTS 1921) **Ltd.**
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SAUNDERS' FACE POWDER

OR

BLOOM OF NINON



3^d Retail

Minimum 3 dozen
(assorted) in elegant
Show Box

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also
6^d & 1/-
sizes

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In 3 shades
White, Pink
or Cream

P.A.T.A.

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FOR a fortnight's window display and a £5 order (made up in any sizes), we will send you an additional supply of Roboleine to the value of 20/- absolutely free. Samples and literature for your counter and display material for your window will also be included without charge.

Take advantage of this special offer now, in time for the steadily increasing Summer trade. The great advertising campaign has pushed Roboleine off the phar-

FREE

macy shelves faster than ever before in Winter and Spring. It will continue throughout the Summer, putting more and more Roboleine profits in your till.

Write now, send us a card, and get a free stock of the product that Doctors have recommended and the public have used increasingly for the past 22 years.

Roboleine

CONCENTRATED NOURISHMENT
IN EVERY SPOONFUL

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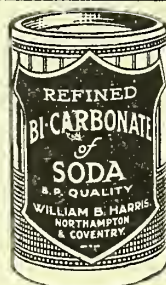
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**ROBINSON'S of
CHESTERFIELD**
for
**CARDBOARD
BOXES**

ROUND · OVAL · SQUARE · FOLDING

ROBINSON & SONS LTD.
CHESTERFIELD & LONDON



BEADED BOXES

The boxes illustrated above are finding increasing favour amongst chemists. They are dust-proof and air-tight and of a very attractive appearance.

Fitted with a flanged metal lid which is easily lifted out they form a very useful container.

Blank panel on reverse side for printing in Customer's name and address.

ROBINSON & SONS, Ltd.

Manufacturers of ROUND, OVAL, SQUARE AND FOLDING
CARDBOARD BOXES.

CHESTERFIELD

Do you sell THE TOOTHPASTE THAT CONTAINS NO SOAP, NO GRIT, NO DRUGS?

"NEW MIX" is the only Tooth Paste that can make this claim—a claim that has been established by laboratory analysis many times. No Soap, No Grit, No Drugs, are strong selling features of "NEW MIX."

"NEW MIX" does not need these things, and yet it is far more efficient as a cleanser and protector than any other tooth paste or powder. It is composed of fruit juices and polishing substances each kept in a separate compartment "to mix on the brush."

VISIT OUR STAND, No. 58,
AT THE
CHEMISTS' EXHIBITION,
JUNE 17—21st, 1929

**BRITISH
MADE**



GILMONT PRODUCTS LTD.
Willing Building
356-364 Gray's Inn Road
LONDON, W.C.

**Ask for
Thermos 16**

WITH THE 'STRONGLAS' LINING

... the strongest vacuum flask yet made. even by Thermos! The '16' is practically unbreakable. It takes knocks as they come — without finching.

Note the Beal cup. Smooth and cool as fine china. Yet unbreakable. Bigger too, than the old lip-burning metal cups.

Cleanliness. Very important. Not a niche to collect dirt. Always glistening — always spotless — outside and in.

Get a '16.' It will keep your hot drinks hot and your cold drinks cold — longer.

In artistic colours. On sale everywhere. Pint size 5/6. Quart size 9/6. Other Thermos Stronglas Flasks from 2/6.



The Beal cup will not burn your fingers.

THERMOS
REGISTERED **16** FLASK
VACUUM STRONGLAS

Insist on seeing this label

THERMOS (1925) LTD., 45 ALDERMANBURY, LONDON E.C.2

Actual size
11 × 4½

This advertisement

the first of a series which forms the THERMOS national advertising campaign for 1929, will appear in the *Daily Mail* during the weeks ending June 29 and July 13, and on July 27; in the *Daily Express* during the weeks ending July 6 and July 20; in the *Daily News* during weeks ending June 29 and July 13; in the *Manchester Daily Dispatch* during the weeks ending June 29 and July 13; and in the *Glasgow Bulletin* during the weeks ending July 6 and July 20.

Here is the finest vacuum flask ever made, even by Thermos. It is backed by nation-wide publicity which will penetrate every district in the country. The picnic season is at its height. Your customers will ask you for "Thermos 16." Order your stocks now to meet the increased demand. Thermos profits are the best in the trade. Thermos quality has gone unapproached for a generation.

The public will ask for "Thermos 16" by name—and insist on getting it. Thousands of Thermos Flasks are sold every week. You can ensure your share of the profits by writing to-day to:

THERMOS (1925) LTD., 45 ALDERMANBURY, LONDON, E.C.2

THERMOS

(REGISTERED TRADE MARK)

QJ

The Original and still finest make of Vacuum Flask

Maw's Page



Make a visit to Maw's Showrooms part of your programme

There is a permanent exhibition of vital importance to the retail pharmacist at Maw's showrooms in Aldersgate Street, and they are always well worth a visit.

During Chemists' Exhibition week, however, we do our best to make them more than usually attractive, and every pharmacist who visits London during this week should make a point of also visiting Maw's. This suggestion is made as a serious business proposition, for you cannot keep quite up to date in your knowledge of new sundries lines without an occasional visit to our showrooms, and there is no more convenient time for that visit than during Exhibition week.

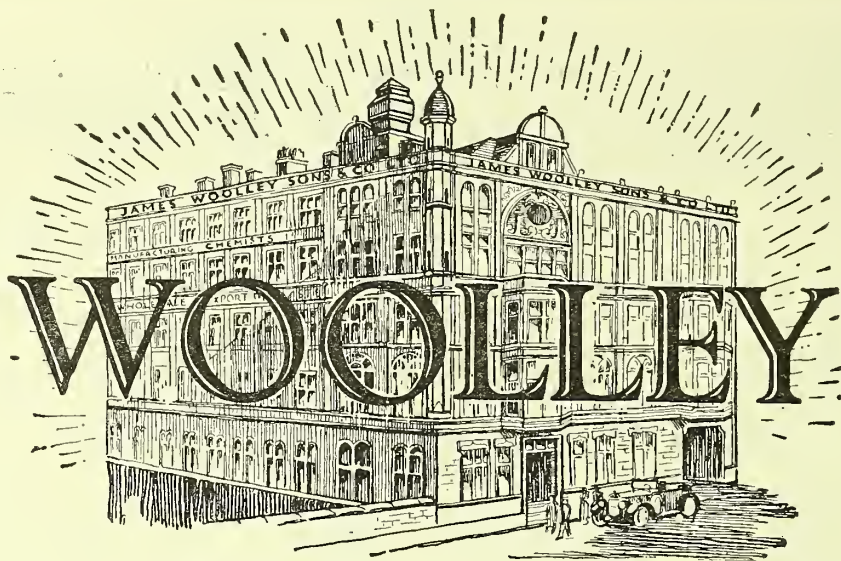
You will find here new lines in every class of goods and bright and up-to-date ideas to help you to display and sell them. You will have at your disposal expert advice and experience to help you in your selection. You will be able to ascertain what lines have been successful with other pharmacists and thus, as it were, feel the pulse of your business.

You will find that Maw's showrooms have been made ready to receive you. Everything is conveniently arranged so that you can see as much as possible in as little time as possible and with minimum effort to yourself. You will acquire a wealth of useful knowledge pleasantly during an hour spent in Maw's showrooms.

Fix the time of your visit now.

S. Maw, Son & Sons, Ltd.,
Aldersgate St., London,
and Barnet.





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complete
satisfaction
in every department

GALENICALS DRUGS SUNDRIES
PROPRIETARY ARTICLES
PHOTOGRAPHIC GOODS

Efficient Service
Prompt Delivery

JAMES WOOLLEY SONS & CO. LTD.
VICTORIA BRIDGE, MANCHESTER



THE BRITISH DRUG HOUSES

LIMITED

AN IMPORTANT DISCOVERY

Successful Treatment of
Puerperal Septicæmia with

RADIOSTOLEUM

An article published recently in a medical journal (Mellanby and Green, *B.M.J.*, June 1st, 1929, p. 984) contained clinical reports which disclose the important discovery that puerperal septicæmia with hæmolytic streptococci responds in a most remarkable manner to therapeutic doses of Radiostoleum, the well-known B.D.H. vitamin product—100 per cent. of the cases treated being cured within 30 days by the simple administration of two fluid drachms of Radiostoleum twice daily.

The application in medical practice of this discovery is likely to have considerable effect in reducing the maternal mortality rate, and already it has created widespread interest.

Radiostoleum is available exclusively through the pharmacist, who is advised to maintain ample stocks.

Full particulars on application to the makers.

GRAHAM STREET, CITY ROAD, LONDON, N1

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LIQUID INSECT KILLER



X-BAZIN

CREAM DEPILATORY

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FOR
ADVERTISING**

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FOR HAY FEVER AND SUMMER ASTHMA

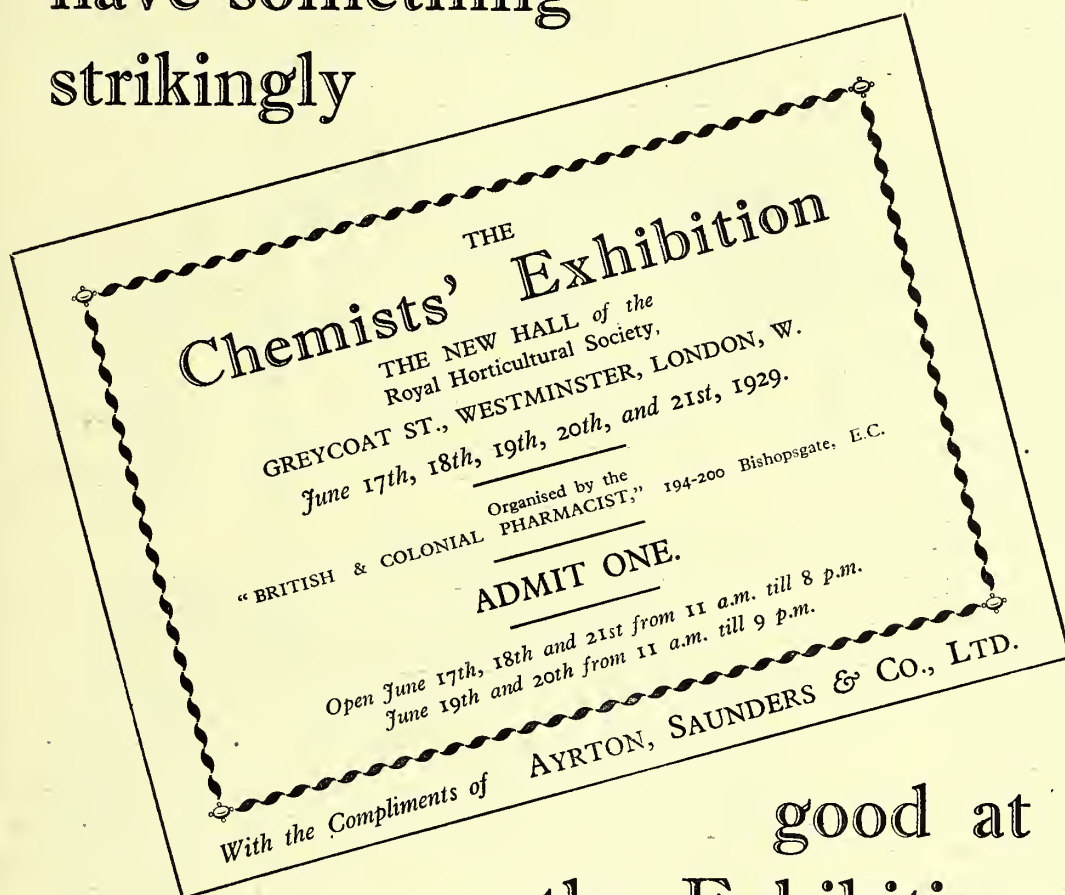
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STANDS
AT THE
CHEMISTS'
EXHIBITION
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New Hall of the Royal Horticultural Society,
Greycoat Street, Westminster, S.W.

JUNE 17TH—21ST

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AUDREY HOUSE, ELY PLACE, LONDON, E.C.1

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have something
strikingly



good at
the Exhibition

If you get there make a point of seeing us.
If you can't come——write for particulars.

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MEDICINES**

IN TABLET FORM

RETAIL :

6d., 1/-, 1/6

WHOLESALE :

3/6, 6/6, 9/-
per dozen.NEW STYLE
EXACT DOSES

Will keep indefinitely.

"QUINPHOS"

THE GREAT TONIC

RETAIL :

1/3, 3/-, 5/-, 9/6

WHOLESALE :

11/6, 27/6, 48/-,
90/- per dozen.

LIQUID OR TABLETS.

BIG BONUS
DURING EXHIBITION
WEEK.**"CORNOL"**

Brand

CORN REMOVER

RETAIL :

1/3

WHOLESALE :

11/6 per dozen.

BIG BONUS
DURING EXHIBITION
WEEK.**PEPPERMINT
TABLETS**

6d.

BAGS

As originally made
and introduced
by us.

Very big seller.

45/- per gross.

4/- per dozen.

**THOMPSON & CAPPER
WHOLESALE LTD.***Manufacturing and Wholesale Chemists,*
Manesty Buildings, College Lane
LIVERPOOL**CHEMISTS' EXHIBITION
STAND No. 9****SULPHUR
AND
ORANGE
TABLETS**

6d.

BAGS

As originally made
and introduced
by us.

Finest quality.

Big seller.

45/- per gross.

4/- per dozen.

**STOKES
EUREKA
HAND
TABLET
MACHINE**For prescription
dispensing and
tablet making on
a small or large
scale.

PRICE :

£16**WATER
STILLS****STOKES
and
AQUAPURA**Necessary in every
up-to-date
pharmacy.

From

52/6**"VARICONES"**

Brand

REMEDY for PILES

RETAIL :

1/3, 3/-, 5/-, 9/6

WHOLESALE :

11/6, 27/6, 48/-,
90/- per dozen.BIG BONUS
FOR COUNTER SHOW.**YEAST
TABLETS**

RETAIL :

6d. and 1/6

WHOLESALE :

4/- and 10/6
per dozen.SPECIAL LOW
TERMS FOR
QUANTITIES.**"MOTHAKS"**
(MOTH KILLERS)

6d.

BAGS

48/- per gross.
up to 2 gross.45/- per gross.
2 gross and over.BIG BONUS
DURING EXHIBITION
WEEK.**"ZELFOAM"**
CACHOUS

3d.

A new line, very
attractive and
splendid value.**COMPRESSED
TABLETS
IN
BULK**By the
THOUSAND
or
MILLION,
POUND
or
TON.



A Good Salesman for **CASTOLS TINS**

THE small (9d.) tins of this popular speciality are now being issued in attractive and convenient display boxes of 1 dozen. They are printed in harmony with the well-known large canisters and can be arranged in a variety of ways to suit the space available. The tins are removable only from the back so there is no danger of loss by pilfering. When empty the boxes are still quite useful for window or counter display. Keep an outer on your counter and point out to your many customers for the 1½d. packets the obvious advantages of having a supply of Castols always in the house ready for use when required. The extra profit per customer will make the extra effort well worth while.



To EXPORT BUYERS—All orders and enquiries should be addressed to our Sole Export Agent
Wm. ALFRED JONES Ltd., West India House, Liverpool

THOMAS KERFOOT & CO. LTD.
BARDSLEY VALE, LANCASHIRE,
& Bardsley House, London, N.1
ESTABLISHED 1797.

D/164

COPYRIGHT

WHITAKER'S TALKIE

1929

SPECIAL
TRADE
SHOW

WAY TO
BIGGER
SALES

YOUR CUSTOMERS
want the
BEST DYES—We
make them
YOU
want good Profits
Our Terms allow them

TO-DAY

There is a Big Popular Demand for

LUTON STRAW HAT DYES

Used with success for years by
Millions of British Women.

12/- per dozen.

Retail 1/4 P.A.T.A.

• also for

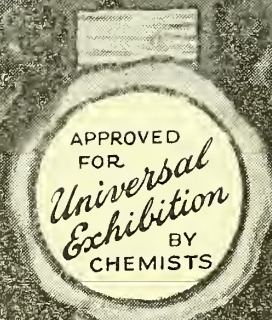
AUROLAL COLD WATER DYES

The Premier Dyes for Home Use.

4/- per dozen.

Retail 6d. P.A.T.A.

Write to-day for free Talkie Booklet with
particulars of Special Discounts, free
Cabinet Offer, and Children's Painting
Competition.



WHITAKER & CO. (Kendal) Ltd., *Dye Specialists for Chemists,* **KENDAL**

Telegrams: "Dullette, Kendal."

Established 1878.

Telephone: 214.

London Office and Showrooms:—179-185 GREAT PORTLAND ST., W.1



Adeps Benzoatus
 Adrenalin
 Amylopsin
 Beef Juice
 Carminex
 Catgut
 Cerebrin
 Corpus Luteum
 Diastase (Animal)
 Digestive Ferments
 Duodenin
 Enzymes
 Galactin
 Haemoglobin
 Insulase
 Lactated Pepsin
 Lecithin
 Liver
 Lymphatic
 Mammary
 Mam-Ovarian
 Meduphites
 Multigland
 Myelin
 Orchitic
 Ovarian
 Ovarian Residue
 Ovo-Testis
 Ovo-Thyroid
 Ox Gall
 Pancreas
 Pancreatin
 Parathyroid
 Parathyroid Compound
 Pepsin
 Peptone
 Pineal
 Pituitary, Whole Gland
 " Anterior Lobe
 " Posterior Lobe
 " Compound
 Placenta
 Prostate
 Red Bone Marrow
 Renal Cortex
 Spleen
 Supra Medulla
 Suprarenal
 " Compound
 " Cortex
 Suprarenalin
 Thromboplastin
 Thymus
 " Compound
 Thyropophosis
 Thyroid
 Thyro-Manganese
 Trypsin

GLANOID

JUNKET PREPARATIONS

that make a delicious "all-the-year-round" dish

Tablets

Boxes of 12 tubes containing 16 tablets each. A tablet junkets one quart of fresh milk

Price 7/- doz. tubes P.A.T.A. 7½d. per tube

Subject to usual discount

Powder

Boxes of 12 tubes with special measure cork—contains sufficient powder to junket 20 quarts of fresh milk

Price 6/6 doz. tubes P.A.T.A. 7½d. per tube

Subject to usual discount

Concentrated FLUID Essence

Boxes of

$12 \times \frac{1}{4}$ (reputed) pint 5/6 doz. } Nett.
 $12 \times \frac{1}{2}$ (reputed) pint 8/6 doz. }

Literature sent on Request. Special Prices for Bulk Quantities.

LABORATORY DEPARTMENT
ARMOUR AND COMPANY
 LIMITED

ARMOUR HOUSE, St. MARTIN'S-LE-GRAND,
 LONDON, E.C.1.

TELEGRAMS: "ARMOSATA-CENT," LONDON.
 TELEPHONE: CENTRAL 6262.

HINDS HONEY and ALMOND CREAM

APPEALS IN EVERY SEASON

LONG DAYS SPENT IN THE OPEN, IN THE DUSTY ATMOSPHERE, IN THE HOT SUNSHINE, MAKES SKIN PROTECTION JUST AS NECESSARY IN SUMMER AS IN WINTER.

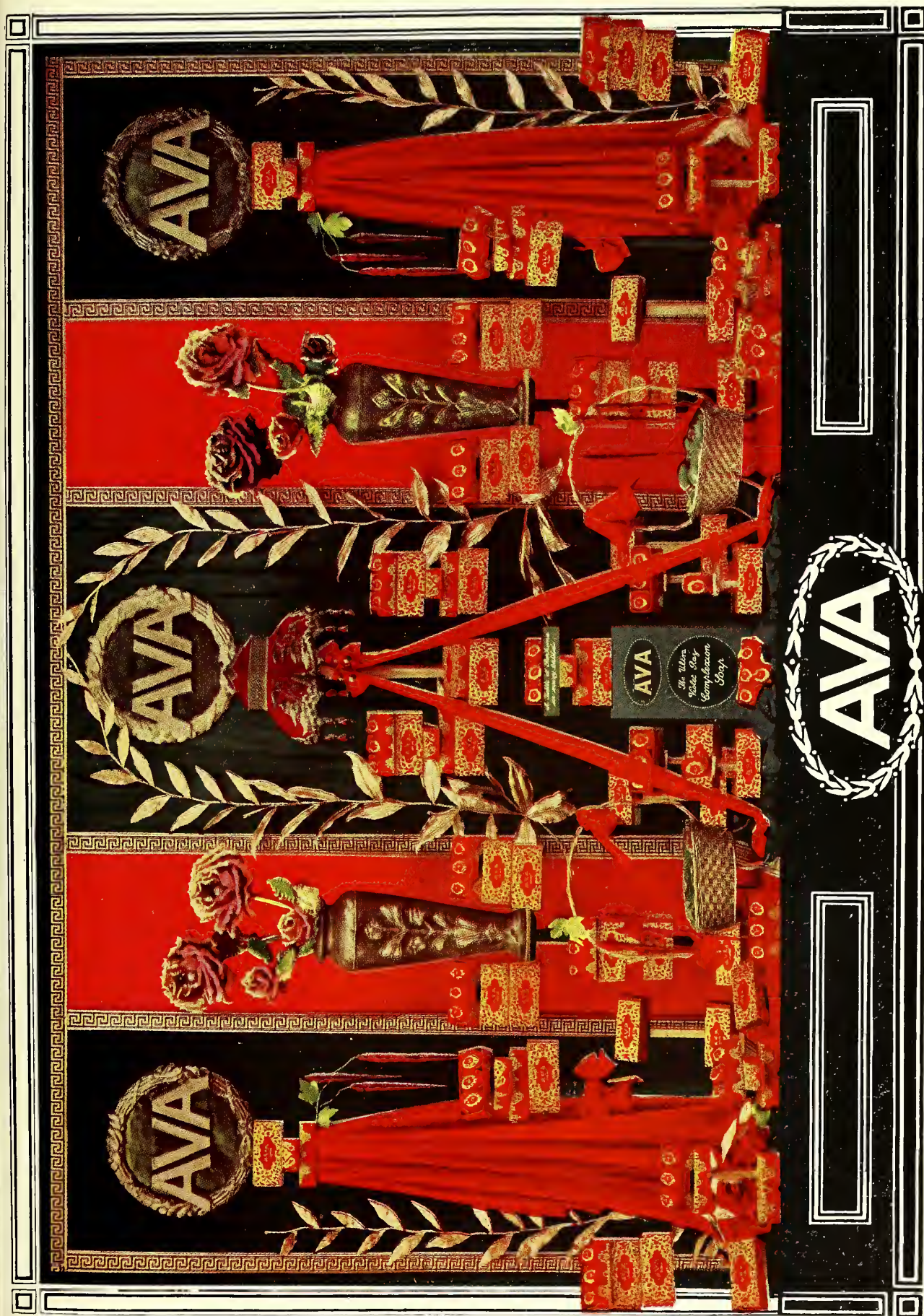
HINDS CREAM SUPPLIES THIS NEED AND OUR ADVERTISEMENTS APPEARING REGULARLY IN INCREASED VOLUME IN THE NATIONAL DAILIES AND POPULAR WOMEN'S MAGAZINES ARE CONSTANTLY TELLING YOUR CUSTOMERS HOW QUICKLY AND THOROUGHLY HINDS CREAM WILL SOOTHE AND COOL A SUNBURNED SKIN.

IT PAYS TO FEATURE HINDS CREAM ALL THE YEAR ROUND.

KEEP IT ON YOUR COUNTER OR IN YOUR WINDOW.

SHOW MATERIAL WILL BE GLADLY SENT YOU ON REQUEST TO—

LYSOL LTD. LONDON, S.W.20



A Standard window of the new Ava Ultra-Violet Ray Complexion Soap.

Dr. J. C. Allen, 1111 N. 1st St., Chicago, Ill. 1929. The Chemist and Druggist, June 15, 1929.



Telephones :—
Gerrard 6037
8114

Telegrams :—
"Saponava,
London."

Ultra-Violet Ray

Complexion Soap

(EAU - DE - COLOGNE)

SPECIAL WINDOW DISPLAYS

A few of the many complimentary remarks from our customers :—

.....
"The smartest display of its kind which we have had in our windows, and ought to sell the goods."—*London, S.E. 9.*

"An excellent display, and one which ought to sell the goods. It is the best I have seen in the profession for years."—*E. A. Geddes, 36, Lee High Road, S.E. 13.*

"I am very pleased with the Ava Soap window display. The sales are very good. In fact I have never had a soap display to which the public responded so readily."—*C. J. Ellis, 30, High Street, Northwood, Middlesex.*

"Splendid sales compelling display."
—*Wembley.*

"An exceedingly striking colour scheme well arranged and a credit to any pharmacy."—*J. O. Hall, 18, Temple Fortune Arcade, Golders Green.*

"This window is by far the best I have ever had."—*W. E. A. Sergent, 156, Portland Road, South Norwood, S.E. 25.*

"An attractive window which should prove a forceful salesman."—*Barkers, Ltd., 221, Upper Tooting Road, S.W.*

.....
We ask your co-operation in this unique Sales-push

AVA Ultra-Violet Ray Complexion Soap is manufactured in Great Britain, under a Patent process, which enables the incorporation of a far higher percentage of perfume than any other soap at present on the market.

.....
Every tablet contains the equivalent of a bottle of delightful perfume

Treated with Ultra-Violet Rays

.....
Minimum Retail Prices :—
Toilet size (3 tab. boxes) 2/0 per box
Bijou size (3 dz. in a box) 3d. per tab.

.....
A Postcard will bring you our

Special Window Display

Terms and Bonus Offer

WRITE NOW FOR FURTHER PARTICULARS

SALES MANAGER :— **EDGAR H. MORRIS,**
32, CRAVEN STREET,
LONDON, W.C. 2.

*Myosotis**Myosotis**Myosotis*

JUNE 17th to JUNE 21st
(both inclusive)

We are exhibiting a very special range of Myosotis Perfumes, Beauty Preparations and fascinating Powder Puffs in the newest and most exclusive designs, on view from 9-30 a.m. to 6 p.m. at

7 HANOVER SQUARE
LONDON, W.1

**Distinguished Products Create
Better Customers for You**

We value your interest and will give you real co-operation and guaranteed exclusiveness.

WE URGE YOUR INSPECTION

*Myosotis**Myosotis*

To-day's best investment—a case of

R.S.M.

(Reigate Standard Mint)

English re-distilled and blended PEPPERMINT OIL



White, Tomkins & Courage Ltd.
Reigate, Surrey

Telegrams : Esswhite, Reigate.

Telephone : Reigate 480.

ESSENCES & SYNTHETICS LTD.

WILLIAM C. SLATER, Managing Director.

4 CARLISLE AVENUE, FENCHURCH STREET, LONDON, E.C.3

Royal 0290.

Essynthet—Ald—London

A few of our latest Creations :—

AMBREINE

A sweet Oriental perfume with a delightfully delicate floral nuance.

LILY-OF-THE-VALLEY

True to Nature; even in its last traces on evaporation.

VICTORIA VIOLET

A very successful composition; a necessity to the creative perfumer.

PARMA VIOLET

A standard Violet; indispensable in the absence of the natural flower oil.

WALLFLOWER

A beautiful reproduction of the Old English Wallflower.

ROSE

An excellent substitute for Bulgarian Otto.

JASMIN

A composition giving the pungency as well as the ever-popular florality of Jasmin flowers.



Of the highest possible concentration, and hence very economical in use; perfectly soluble; do not discolour. Suitable for handkerchiefs, perfumes, face powders, vanishing creams, brilliantines, toilet waters, bath salts, soaps. Samples cheerfully sent by return of post.



Read Palmolive ads yourself

See why women want this greatest
selling complexion soap

Then display Palmolive—for greater sales and profits

SUPPOSE you were a woman. You'd read everything that had to do with beauty care. You'd buy those articles that "sold" themselves to you. That is what women by the million do to-day. That is why Palmolive is the greatest selling complexion soap in the world.

Read our advertisements yourself. See why women want to buy Palmolive for beauty rather than all-purpose soaps. Rather than inferior soaps.

The 1929 Palmolive advertising campaign is based on the greatest endorsement by beauty specialists ever assembled.

By the hundred the great names of beauty specialists are featured. Women, to whom

these great names are gospel, buy the soap they recommend.

Not only the great foreign specialists—not only the experts of the world's leading cities—but the beauty shops in your own town are featured. The beauty salons to which "Mrs. Jones" and "Mrs. Smith" go.

And there, finding Palmolive recommended to them—they come to you to buy.

This is the greatest advertising idea in a decade. Get your share of the business it is building. Feature Palmolive Soap for greatest turnover and profits. If you need display material, window bills, etc., write to the Advertising Department, Colgate-Palmolive-Peet Ltd., 21, Eagle Street, London, W.C.1.

COLGATE-PALMOLIVE-PEET LTD.

MERCOLIZED WAX

— : for the Complexion : —
and

STALLAX

— : a Shampoo : —

TWO substantial and well-advertised lines which show a handsome profit to the Retailer, and, moreover, may be stocked fearlessly owing to the Manufacturers' most liberal Sale or Return Guarantee.

Both are obtainable in two sizes, and their reputation and sterling value assure a steady turnover.

Order through your Wholesaler, or direct from :

DEARBORN (1923) LIMITED

37 GRAY'S INN ROAD,

LONDON, W.C.1.

Telephone - - -

HOLBORN 9669

Nuctone

*Order through your usual
wholesaler, or from*

J. C. GAMBLES & CO. LTD.
211 BLACKFRIARS ROAD,
LONDON, E.C.1

FOR GREY HAIR —

NUCTONE ECLAIRE, ECLAIRE CONCENTRE
NUCTONE AND NUCTONE CONCENTRE

Manufactured by

**STEWART, GOODALL
& DUNLOP, LIMITED,**
4 DERING STREET,
LONDON, W.1



**POWDER
PUFFS**
SPENCER BROS
MANUFACTURERS
50-52 SHOP LANE LONDON E.C.4

THE
RELIABLE
HOUSE for
Puffs of every
description in
Down, Wool,
Velour & Beaver.



GREY HAIRS
← appear just here.
TOUCH THEM UP WITH
TATCHO-TONE
and they will instantly recover their
natural shade. Medical Guaranty with
each bottle. Chemists' Prices 2/6 and 4/6

TATCHO-TONE CO., 5 Great Queen Street, London, W.C.2

Triat Phila
8⁰
Post Free

Sunshine Remedies

INCLUDING THE NOW FAMOUS

ANTI-ACID TABLETS, "TOXINICON" for Rheumatic diseases
GOLDEN-RAY SHAVING SOAP The only Soap with antiseptic Vaseline
centre
SOLEIL D'OR PERFUME & TOILET PREPARATIONS

London Chemists are invited to send their "Sun Ray"
patients to our private rooms. Trained Staff in attendance

ASK FOR DETAILS.

Write for Descriptive Catalogue,
Sunshine Remedies, Ltd.
8 West Halkin Street, S.W.1
Telephone: Sloon 4133.

ask for full particulars
of this complete range of

Potter & Moore's
Old English
1749

MITCHAM
LAVENDER

Nature's Lingering Loveliness

| | |
|------------------|----------------------|
| Lavender Water. | Bath Crystals. |
| Frozen Lavender. | Bath Salt Tablets. |
| Face Powder. | Brilliantine. |
| Compact Powder. | Frozen Brilliantine. |
| Face Cream. | Hair Food. |
| Night Cream. | Shampoo Powder. |
| Toilet Soap. | Smelling Salts. |
| Talcum Powder. | Sachets. |

Gift Boxes of all kinds.

P.A.T.A. PRICES.

STAND
NO'S

97-98

99

CHEMISTS
EXHIBITION

A Cordial Invitation

Chemists will be admitted to the Exhibition free on production of their trade cards, and a cordial welcome will be given to all at our **Stands Nos. 97, 98, 99**, where a representative display of all our preparations can be inspected.

POTTER & MOORE, LTD.

POTTER & MOORE, LTD.
Lavender Distillery, MITCHAM, SURREY.

Head Office: Lavender House, Tyssen Street,
DALSTON, LONDON, E.8.

A detailed black and white line drawing of a vintage pocket watch. The watch is shown open, with the lid at the top and the watch face below. The watch face has a circular dial with radial markings and a small seconds sub-dial at the 6 o'clock position. A decorative chain is attached to the watch, and a tassel hangs from the bottom. The drawing is done in a classic, engraved style.

Natures Lingular
loveliness



There is nothing so refreshing or more
delightful than Potter & Moore's Mitcham
Lavender.
Neither heavy nor overbearing, it has all
the pristine freshness and fragrance of the
genuine Mitcham Lavender from which
it is distilled. Face powder, vanishing
soaps are also obtainable,
all impregnated with
this captivating odour,
which so gaily speaks
of the South.



Potter & Moore's
Old English
1749
MITCHAM
LAVENDER

AVENUE

AVENDER TOILET SOAP

A BOX OF FACE CREAM
A BOX OF NIGHT CREAM
A TREATISE ON BEAUTY CULTURE

the woodwork. The
Milton Powder Compa
only. Test three unopened
Purchase a Milton Pow
Moore, Milton Powde
of the Compact from you
Chemist or Grocer, and
paste the Lavender paper
close you will find a
closed. To Porter
Moore, Ltd., Lavender
House, London.
E.A. and the
above will be
free. Best post

Peter & Masson

“ See things for yourself ”
at Stands Nos. 97, 98 & 99.

POTTER & MOORE, LTD.

WHAT THE MODERN CHEMIST WANTS

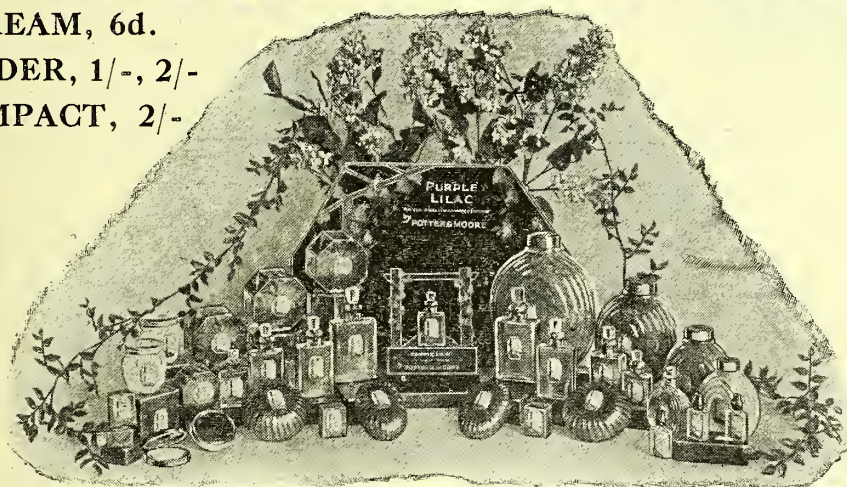
DISPLAY
STYLE & PACK
QUALITY PUBLICITY

ALL are well employed in **POTTER & MOORE'S**
PURPLE LILAC

CREAM, 6d.

POWDER, 1/-, 2/-

COMPACT, 2/-



Photographic reproduction of advertising display screen and range of preparations.

PERFUME.

1/-, 2/-, 3/6



*Actual size cut stoppered Bottle
2/- Perfume.*



1/- Week-end Case.

SHILLING WEEK-END CASE

(Illustrated on left)

contains—

PERFUME, POWDER,
COMPACT, CREAM.

IT PAYS TO HAVE AN A/C WITH.

POTTER & MOORE, LTD

The original combined Cream and Powder

la **VELOUTY**

de **DIXOR** Paris



The advertised line that you are asked for.

NOW ON P.A.T.A.

Samples free upon receipt of trade card or billhead.

| | | |
|--------------------------|-----------|------------|
| PRICES :—Full size pot - | 21/- doz. | RETAIL 2/9 |
| Super tube - | 22/- " | " 3/- |
| Large tube - | 14/- " | " 2/- |
| Medium tube | 7/- " | " 1/- |
| Handbag tube | 3/- " | " 6d. |

Made in four shades :

WHITE, IVORY, NATURAL and OCHRE.

Obtainable from your regular Wholesaler or direct from the
Sole British Agents:

DEBACQ & HARROP, 68 Newman St., Oxford St., London, W.1

A NEW PACKING
FOR
CALVERT'S
Carbolic Toilet Soap



ONE DOZEN 6d. TABLETS IN
NEAT COUNTER DISPLAY BOX

List price **4/5** per box.

As the usual 3-tablet boxes (list price 13/6 per dozen boxes) will still be available, customers are requested to certify in their orders which form of packing they desire.

F. C. CALVERT & CO., Ltd., MANCHESTER

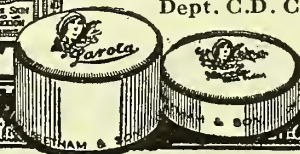
Beethams
Larola
Toilet
Preparations

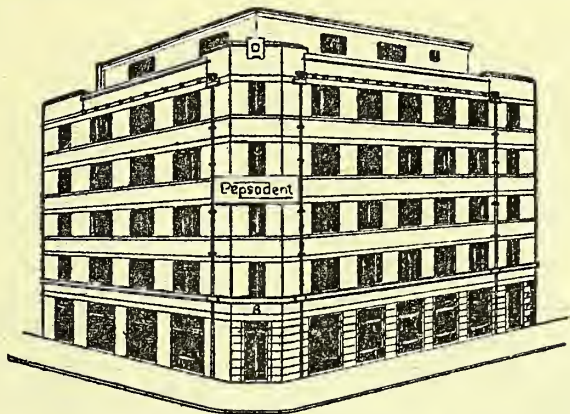
New attractive packs

"LAIT LAROLA"
"LAROLA" LILY BLOOM
"LAROLA" ROSE BLOOM
"LAROLA" FACE POWDER
BEETHAM'S
GLYCERINE & CUCUMBER

Link up with the
NATIONAL ADVERTISING

Special display terms on request from:
M. BEETHAM & SON
Dept. C.D. CHELTENHAM





The Growth of Pepsodent

THE ever growing popularity of Pepsodent Tooth Paste means a business which is always expanding. Every modern device in its administration, and in the execution of Pepsodent orders, must be brought into play if we are to keep pace with the demand.

Hence—new and more modern quarters. On June 15th we go to the building shown in the picture above—India House, 8, India Street, London, E.C. 3. It is a new building specially designed along modern lines and up to date in every detail of construction. The position is central and right on the lines of communication. This means every facility for greater service to our customers.

In making this announcement we would like to express our appreciation of the splendid support we have always received from our friends in the wholesale and retail trade since the inception of Pepsodent. You have made our growth possible. We thank you and look forward with confidence to continuance of this co-operation.

A cordial invitation is extended to our trade friends to come and see us at our new address. Come and see for yourself our ways of working and what we do to try and give you the best attention possible.

Remember the date :—

June 15th, 1929

THE **Pepsodent** CO.

INDIA HOUSE,
8, INDIA STREET,
LONDON, E.C.3.

Telephones:
ROYAL 4207
4208
4209



Telegrams :
PEPSODENT
ALD. LONDON

**Small
Size**

5/-

per
dozen

**GUARD
YOURSELF**

against stings from
MOSQUITOS · MIDGES · GNATS & OTHER INSECTS
by using

Pleasant to use **INSECT BITE STICK** Delightfully Refreshing



**Large
Size**

8/-

per
dozen

ALLAYS IRRITATION CAUSED BY INSECT STINGS

MANUFACTURED BY

WILLIAM TOOGOOD LIMITED
77 SOUTHWARK STREET - LONDON, S.E.1

Mr. W. FLETCHER, M.P.S.,
 of the Butywave Company,
 hopes to renew old friend-
 ships and to make new ones
 at the
CHEMISTS' EXHIBITION
 in the NEW
HORTICULTURAL HALL
 between JUNE 17 and 21.
STAND 102

THE
New Crepe Model Window
Shows are worth inspection

THE BUTYWAVE CO.
 10 Tachbrook St., London, S.W.1

THE HOUSE FOR QUALITY IN PUFFS
 NOVELTIES ALWAYS AVAILABLE



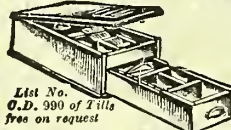
COMPACT POWDERS

Specially Prepared.
 Any Tint. Any Perfume.

F. SCHUTZE & Co., Ltd.

BLACK BULL WORKS, CALEDONIAN ROAD, LONDON, N.7

SENT ON 14 DAYS APPROVAL



List No.
 O.D. 990 of Tills
 free on request

upon receipt of cash or two wholesale trade
 references. "LITTLE BRILLIANT" TILL
 improved 16 x 8½ x 6 ins.
 mahogany, highly polished, lock
 to lid and drawer, warning bell,
 secret catch and check action.

32/-

Coils 2½ ins. wide 4/- doz.
DUDLEY & COMPANY, LTD.
 528-576, Holloway Road, London, N.7.

For 136 years

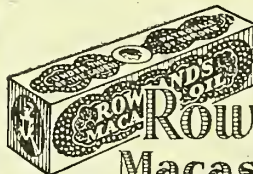
Rowland's Macassar Oil has been a
 favourite dressing for the hair. It keeps
 the hair healthy, and prevents the encroach-
 ment of greyness and baldness.

Of all Wholesalers.

RETAIL

3/6, 7/- & 10/6

P.A.T.A.



**Rowland's
 Macassar Oil**

Red for
 dark hair
 Golden
 for fair or
 grey hair

A. ROWLAND & SONS, Ltd., 112 Guilford St., London, W.C.1

H. 17

Now we'll help you sell them

HALEX SUMMER ADVERTISING DRIVE begins June 17th

LINK up with these big new advertisements. Share in the growing Halex sales. Display Halex.

The second Halex Advertising Drive starts in a few days' time. The advertisements reproduced here in miniature are some of those which will appear in the following national magazines and newspapers during the next six weeks.

| | | |
|-------------------|-------------------|---------------|
| DAILY MAIL | DAILY CHRONICLE | DAILY NEWS |
| NASH'S MAGAZINE | GLASGOW BULLETIN | |
| WOMAN'S PICTORIAL | MODERN WOMAN | WOMAN & HOME |
| | HOME NOTES | MODERN WEEKLY |
| | GOOD HOUSEKEEPING | |

To link up with this advertising you need the Halex Free Display Material. If you can do with a new Showcase, a new Halex Display Holder, new Showcards, a new Window-sticker—now is the time to get them. If you haven't a good supply of Halex Toothbrushes, now's the time to get these too.

THE BRITISH XYLONITE CO. LTD., HALE END, E.4

below:
Halex No. 3 doz. @ 9/-
Halex No. 6 doz. @ 15/-
not less than 4 doz.)
ency (free t

THE BRITISH XYLONITE CO. LTD., HALE END, E.4

**SEND IN THIS ORDER FORM
TODAY!**

(Fill in and post
to your usual Wholesaler)

To-

Please send

(a) . . . dozen Hallex No. 1 . . . doz. @ 6/- doz.
Hallex No. 4 . . . doz. @ 11/- doz.
(Strike out words (b) not required) (c)

Toothbrushes as listed below :
 Halax No.2 doz. @ 7/6
 Halax No.5 doz. @ 13/-
 The Halax Showcase (free
 any stockist)
 The Halax Display Hold
 The Halax Introductor

Name _____

Halex No. 3 . . . doz. @ 9/- doz.
Halex No. 6 . . . doz. @ 15/- doz.
(not less than 4 doz.)
Agency (free to

Name _____

Address

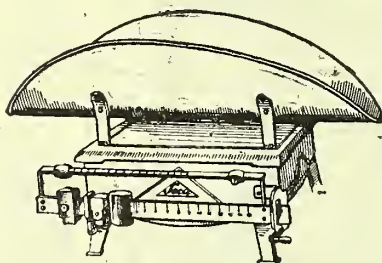
WHY NOT OWN A WEIGHER AND LET IT BUY ITSELF?

Special Exhibition Offer

FROM NOW UNTIL THE CLOSE OF THE CHEMISTS
EXHIBITION ON JUNE 21 WE ARE OFFERING 500 OF THESE
ATTRACTIVE SMALL WEIGHERS AT THE

Special Reduced Price of £12
(USUAL PRICE £17)

We are exhibiting at the Chemists' Exhibition, June 17-21, and invite you to
visit Stand 155, where a full range
of all types of indoor and outdoor
weighers suitable for the Chemist
will be shown.



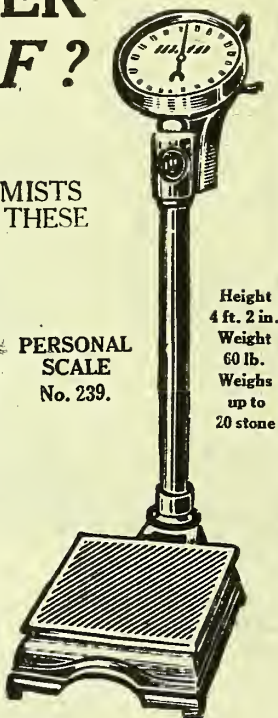
BABY SCALE No. 169B.
Cash Price £3.

THE PENNIES PAY AS THE CUSTOMERS WEIGH

For further particulars write, call, or 'phone to
our City Showrooms:

SHEFRAS NOVELTY CO.,
Fetter House, 54/5 Fetter Lane,
LONDON E.C.4

'Phone: City 0329.



Height
4 ft. 2 in.
Weight
60 lb.
Weighs
up to
20 stone

PERSONAL
SCALE
No. 239.

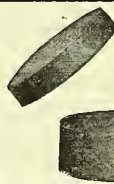


The Blade that SELLS as it SHAVES—
"LIKE GREASED LIGHTNING!"

Obtainable from all Leading Wholesalers.

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c/o ROEBUCK'S ADVERTISING SERVICE
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A
KEEN
BLADE
AT A
KEEN
PRICE



Ask for "PAZO" PILL BOXES

The most convenient and
secure Pill Box obtainable.
NO LOOSE BOTTOMS
Samples and Prices on application.
The "PAZO" CO., Oldbury

M.Q.

DEVELOPING POWDERS

RETAIL 3d. Cost 1/6 dozen in
gross lots. Own name and address
printed. Several attractive designs.
Send for price list and specimens.

GOLD SEAL PROPRIETARIES LTD., CROYDON

EVERY CHEMIST AND DRUGGIST

CAN MAKE

BIG PROFITS SELLING THE RELIABLE

AMO Sheffield Steel BLADES

SEND FOR TESTING SAMPLE NOW! IT'S FREE



Sheffield
Steel
AMO BLADES

Retail 1/6 doz.
(24 SHAVING EDGES)
Showcards Supplied

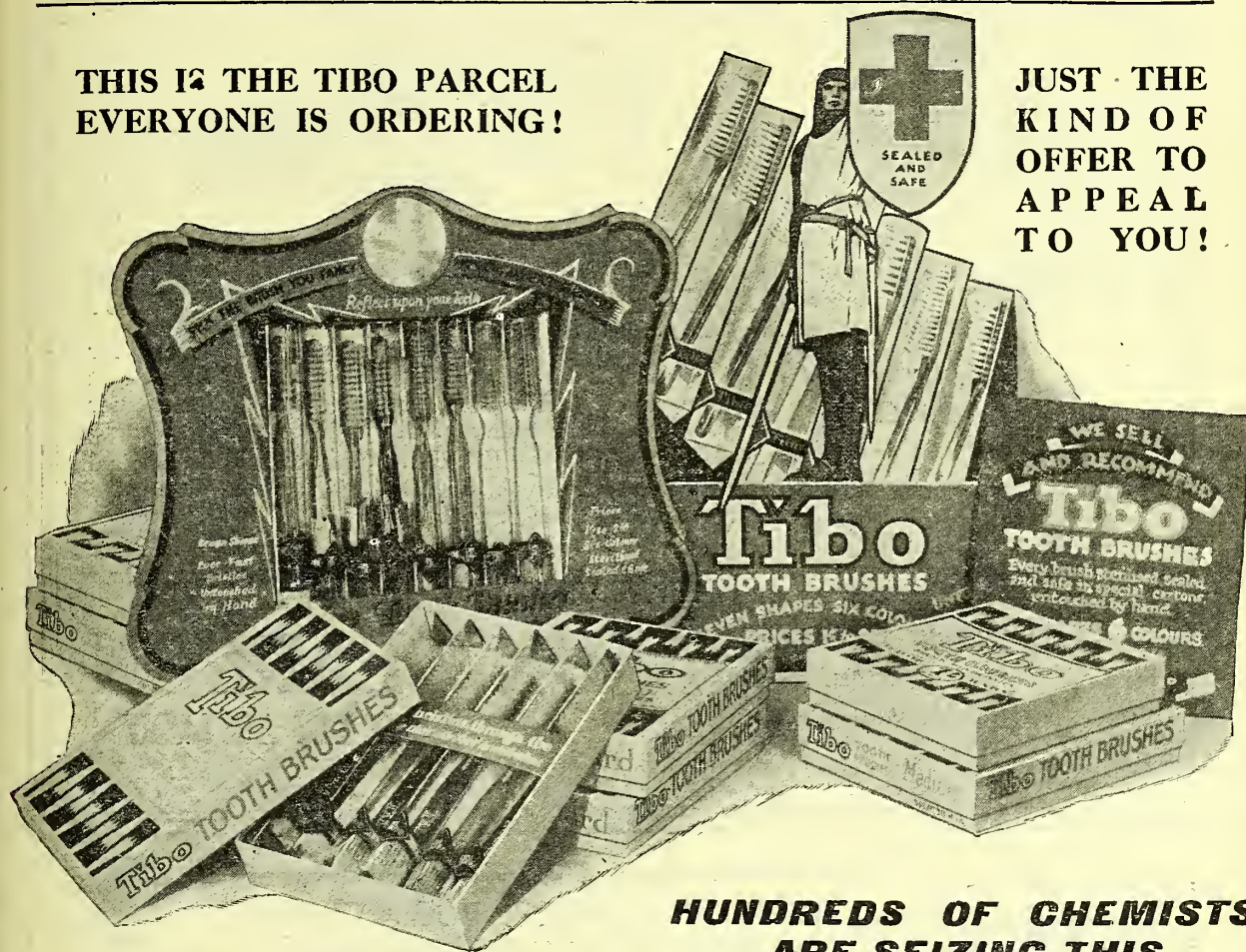
OBTAINABLE THROUGH YOUR USUAL WHOLESALE
ORDER NOW 8/- per gross ORDER NOW
or write direct to the Authorised Sole Distributor,
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'Phone: Avenue 8846.

'Grams: "Uzecarnos, Ald, London."

**THIS IS THE TIBO PARCEL
EVERYONE IS ORDERING!**

**JUST THE
KIND OF
OFFER TO
APPEAL
TO YOU!**



**HUNDREDS OF CHEMISTS
ARE SEIZING THIS**

AMAZING OFFER!

HAVE you joined the Tibo Scheme yet? Have you taken advantage of this splendid parcel offer that is catching on like wildfire in the trade?

If not, send in your order at once. There is just time, before our advertising begins and everybody starts asking you for Tibo Tooth Brushes.

Our Special Parcel offer is this:

3½ dozen assorted Tibo brushes (priced from 1/- to 2/6).
One handsome Display Case in four colours, fitted with sliding tray and mirror. Two attractive show cards.

**AND 10/- FOR YOU IF YOU PUT THE DISPLAY CASE
ON YOUR COUNTER.**

This is the most generous offer we know how to make, and already hundreds of chemists have accepted it, while more are doing so by every post.

The parcel is arranged as follows, in seven boxes:—

| | |
|-------------------------------------|-------------------------------|
| ½ doz. Baby Tibo to sell at 1/- | ½ doz. No. 303 to sell at 1/6 |
| ½ doz. No. 301 to sell at 1/- | ½ doz. No. 304 to sell at 1/9 |
| ½ doz. No. 302 to sell at 1/3 | ½ doz. No. 305 to sell at 2/- |
| ½ doz. Smoker's Tibo to sell at 2/6 | |

Cost to you 44/-

You sell them at 66/-

There is ALSO

10/- FOR YOU

for showing the Display Case for one week.

This is an offer you simply must not miss. Make your next Tooth Brush order a TIBO one, and see how quickly they'll be snapped up when our advertising starts.

Send in your order now, **TO-DAY**, and put your shop in the front line to catch this extra and profitable business.

Tibo

TOOTH BRUSHES

BRITISH LABROSSE CO., LTD.,

**Audrey House, Ely Place,
Holborn ——— E.C.1.**

Grams:
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Holb, London."

Tel.:
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THE BRUSH YOU CAN SELL IS THE BRUSH YOU GET ASKED FOR!

There is always a constant and regular demand for the "MASON PEARSON" Hair Brush, because it always gives satisfaction, and one satisfied customer recommends it to many friends!

The "MASON PEARSON" is not only the original pneumatic Hair Brush, but—it is still the best—and is the largest-selling Hair-Brush to-day!

The range of models and colours enables you to recommend the "MASON PEARSON" for every hair brushing need, and for every individual taste.

SELLING PRICES:

"Pocket" - - - 3/6
"Shingle" - - - 4/9

—two small dainty brushes for occasional use during the day. Other full size brushes for Home use are:

"Universal" - - - 5/9
"Junior" - - - 7/6
"Popular" - - - 10/6
"Small Standard" - 12/6
"Standard" - - - 15/0
"Extra" - - - 18/6

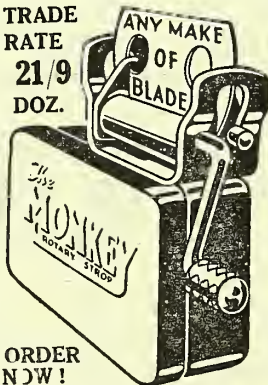
All subject to generous discounts.
Supplies can be obtained from your usual Wholesaler.

MASON PEARSON

HAIR-BRUSH

MASON PEARSON SELLING AGENCY, LTD., 59 NEW OXFORD ST., LONDON, W.C.1

TRADE
RATE
21/9
DOZ.



ORDER
NOW!

THERE IS A MARKET FOR A CHEAP,
EFFICIENT BLADE STROPPER

THE MONKEY STROP

Now Advertised in the National Press!
FAMOUS BRITISH BLADE STROPPER

Thousands sold at 5/6; many more thousands can be sold at
1929 reduced price of

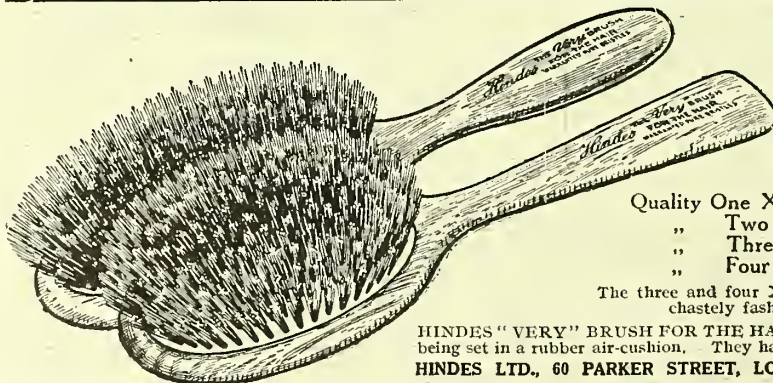
Manufacturers:—

Douglas Kirby & Co., St. John's Works, GLOUCESTER.

POPULAR
MODEL
SELLS
AT

2'6

2'6

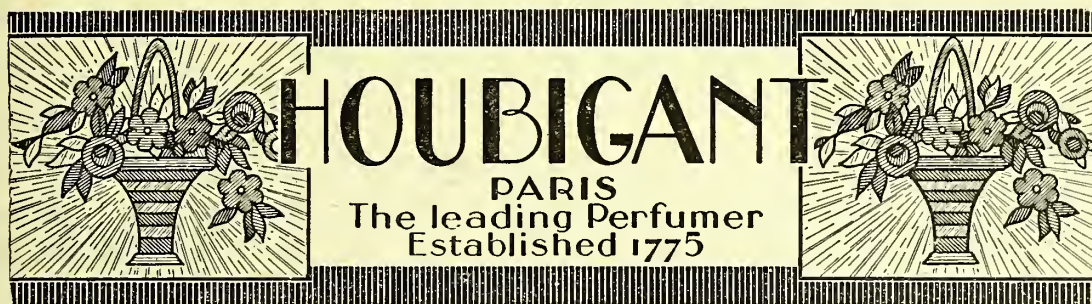


HINDES "VERY" HAIR BRUSH

| | | |
|---------------|---------------------|---------------------------|
| Quality One X | Sold at 7/6d. each. | TRADE PRICE 33 1/3% |
| " Two XX | " 10/6d. " | |
| " Three XXX | " 15/- " | |
| " Four XXXX | " 18/6d. " | |

The three and four XXXX grade is made in Ebony or Rosewood, chastely fashioned in both oval and circular bodies.

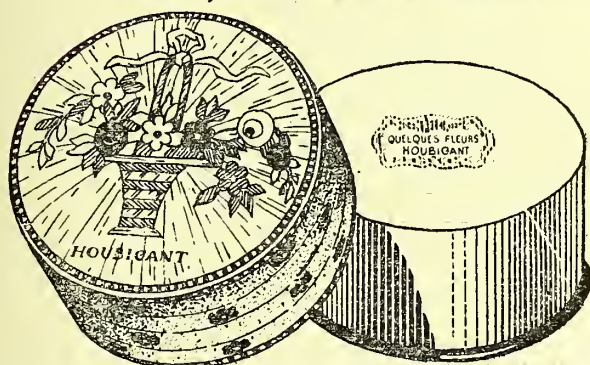
HINDES "VERY" BRUSH FOR THE HAIR is guaranteed pure bristles, the multiple tufts being set in a rubber air-cushion. They have been known to the trade for nearly 40 years.
HINDES LTD., 60 PARKER STREET, LONDON, W.C.2. Works: BIRMINGHAM.



A MESSAGE

TO ALL CHEMISTS & PERFUMERS

DO not miss seeing our Representative who is calling to book summer orders. He is carrying samples of new lines, to be offered on specially advantageous terms, which cannot fail to interest you.



Houbigant's world-famous FACE POWDER continues to retail—as before—at 1/9 and 3/- per box.

Cheramy's FACE POWDER, retailing at 4½d. per box, leads the market in inexpensive Perfumery.

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PARFUMERIES de PARIS, Ltd.
ACTON, LONDON, W.3



A MARSHALL'S CUSTOMER IS A SATISFIED CUSTOMER

EVERY TIME YOU SELL A BOTTLE OF MARSHALL'S
LYSOL YOU ARE ASSURED OF GIVING YOUR
CUSTOMERS PERFECT SATISFACTION.

THEY KNOW THAT AS A PERSONAL ANTISEPTIC
AS WELL AS FOR SICK ROOM AND GENERAL
HOUSEHOLD DISINFECTION MARSHALL'S LYSOL
HAS NO EQUAL. FOR THEM IT IS AN INDIS-
PENSABLE HOUSEHOLD REQUISITE.

PUSH IT AS SUCH AND NOT AS AN EMERGENCY
REMEDY. ENCOURAGE THEM TO BUY THE LARGE
SIZE; IT MEANS MORE PROFIT FOR YOU AND A
SAVING TO YOUR CUSTOMER.

WHY NOT MAKE A WINDOW DISPLAY OF
MARSHALL'S LYSOL?

*SHOW MATERIAL WILL BE GLADLY
:: SENT YOU ON REQUEST. ::*

LYSOL LTD. LONDON, S.W.20

SOLIDIFIED PEROXIDE OF HYDROGEN

10 VOLUME STRENGTH

A Scientific Triumph!

We are the inventors of this remarkable method of presenting Solidified H_2O_2 . No handier or better way has ever been discovered. Furthermore, this Preparation is guaranteed to maintain its stability, whereas the liquid form gradually deteriorates.



per 10/- doz.

Retail 1/3 per tube

ARTHUR H. COX & CO. LTD
Manufacturing Chemists
BRIGHTON ENGLAND

SOLID IODINE



is the handiest!



THE SOLID IODINE THAT IS GUARANTEED
TO KEEP IN ANY CLIMATE

PER 9! DOZEN

ARTHUR H. COX & CO. LTD
Manufacturing Chemists
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For the feet—

FOOT BATH TABLETS

3!6

per dozen.

Also

Footease Powders

13!6

per gross.

Renal Bath Salts

4!6

per dozen.

All these Preparations are of the Highest Quality Manufacture and are Guaranteed to give Satisfaction.



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Anti-Midge Lotion - - per 5/- dozen

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Anti-Sting Cones - - - per 6/- dozen

Anti-Midge Lavender - per 3'6 dozen

Anti-Midge Cream - - per 5'6 dozen

ARTHUR H. COX & CO. LTD
Manufacturing Chemists
BRIGHTON ENGLAND

*Look at your
product this way*

HOW does it travel? It's fine to put "This way up with care" but there's no certainty of its being obeyed. And with old-fashioned closures there's danger of leaks and loss.

That's why modern manufacturers use Kork-N-Seal. They want, and get, simplicity and efficiency. Kork-N-Seal containers are—

**OPENED IN A SECOND
CLOSED IN A SECOND
AND ALWAYS A
PERFECT SEAL**

They need no corkscrews or openers — just a simple finger action.

The only perfect re-seal! The last drop in the bottle as good as the first and that's what your customers want.

Patents
1920
1921
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KORK-N-SEAL

REGISTERED TRADE MARK

LOCKS THE BOTTLE

British made throughout by

The BRITISH KORK-N-SEAL AGENCY Ltd.
Manufacturers of Aluminium, and Decorated
Tin closures of every description.

40/43, Norfolk Street, Strand, London, W.C.2.

Telephone : Central 8080. Telegrams : Korkanseal, Estrand, London.



AS the fire which occurred at our Works on Saturday last, June 8th, has received widespread publicity, we take this opportunity of advising our friends that the fire was confined to the Cotton Wool Bleaching Department only, and the damage done was principally to raw materials.

It is anticipated that normal working conditions will obtain in the near future; in the meantime, every effort is being made to meet our customers' requirements.

□ □ □ □ □

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MARRIOTT STREET MILLS, STOCKPORT

"Victor"

Rubber Sponges



MONEY saved is money made, and the economical reliable and hygienic Rubber Sponge is to-day increasingly superseding the costly natural sponge. Our "VICTOR" Rubber Sponge has for many years been acknowledged to be the ideal sponge, not only for toilet use, but also for washing down motor cars, saddlery and similar purposes.

Its special feature is the fine texture and smooth surface, a result achieved by special selection of the best quality durable rubber, and our own methods of technical control and manufacture.

FOUR SIZES, OVAL AND ROUND.

Write for particulars, or order your requirements from your regular wholesaler.

We also specialise in:—
**RUBBER SPONGE FLOORING, MATS, SHEETS, HOT WATER BOTTLES
 HOSPITAL SHEETINGS, ETC.**

The IOCO RUBBER & WATERPROOFING Co., Ltd.
 Netherton Works, Anniesland, Glasgow, W.3.



OLD VATTED ORANGE QUININE

The Tonic Pick-me-up you can recommend with confidence. Guaranteed to contain quinine in solution in identically the same proportion as in the quinine wine of the British Pharmacopœia.

In full size wine bottles (6 to the gallon) 9/6 per dozen

LORIMER - MARSHALL, LTD.
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STAND No. 139

at the CHEMISTS' EXHIBITION, JUNE 17—21,
Royal Horticultural Hall, Westminster, London, S.W.

ROBERTS & SHEPPEY

in inviting a visit from Chemists interested, have
pleasure in announcing a

SPECIAL OFFER TO BUYERS

of the Lines named below, during the Exhibition, namely:

13 to the Dozen on all Orders of 1 gross upwards

MEL ROSE TABLET
TERMS: Per doz. Per gross
2d. Tablet 1/4 16/-
(formerly 3d.)
4 1/2 d. Tablet 2/10 34/6
(formerly 6d.)

MELROSE CREAM
TERMS: Per doz. Per gross
9d. Jars 5/- 60/-

"NEW CENTURY" CREAM
TERMS: Per doz. Per gross
6d. Tube 4/- 48/-
10 1/2 d. Tube 6/3 75/-

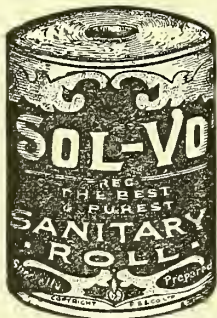
SHEPPEY'S CHILBLAIN TABLET
TERMS: Per doz. Per gross
2d. Tablet 1/4 16/-
3d. Tablet 1/11 23/-

THESE LINES ARE P.A.T.A. LINES.

N.B.—For the benefit of those unable to visit the Exhibition, the above offer is open to all who post their Order to us or to their Wholesalers during the period June 17—21.

ROBERTS & SHEPPEY, Manufacturing Chemists, 2, Skipton St., London, S.E.1

SOL-VO SANITARY ROLLS & PACKETS.

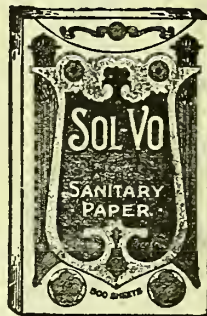


SOL-VO

REGD

THE BEST & PUREST

SANITARY PAPER



| | per doz. |
|-----------------------|----------|
| Three dozen Rolls ... | 7/- net. |
| Half gross " ... | 6/6 " |
| One gross " ... | 6/- " |
| Five gross " ... | 5/3 " |

| | per doz. |
|-------------------------|-----------|
| Three dozen Packets ... | 10/- net. |
| Half gross " ... | 9/6 " |
| One gross " ... | 9/- " |
| Five gross " ... | 8/3 " |

CARRIAGE PAID. CASES FREE.

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**AUTOMATIC
VENDING
MACHINES**

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200 Varieties
Any Colour.

A suitable Composition Stopper will enhance the selling value of your package. Let us fit your Bottles and quote you.



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WAGNER'S DRY BOTTLE CAPS

BEST IN QUALITY & APPEARANCE



Self-Fixing
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Reduced Prices— for SHERLEY'S

TONIC & CONDITION POWDERS

The Best tonic for all Dogs & Cats

THE enormous demand for Sherley's Tonic & Condition Powders has enabled us to reduce manufacturing costs. The saving thus effected is being passed on to the Trade in return for their co-operation in obtaining these increased sales.

6d. 3/9 per dozen for quantities of 2 dozen and over. Less than 2 dozen, 4/- per dozen.

1/3 9/4½ per dozen for quantities of 1 dozen and over. Less than 1 dozen, 10/- per dozen.

2/6 18/9 per dozen for quantities of 1 dozen and over. Less than 1 dozen, 20/- per dozen.

The lower prices will also apply to any quantities when included in £2 parcels.

Quantities of two dozen 6d. packets, or one dozen 1/3 packets supplied on attractive cards, if desired.

The rate of profit to Chemists who take advantage of special quantity terms is thus 37½% (60% on cost), while on £2 parcels, in which Tonic and Condition Powders are included additional discounts of 2½% and 5% are allowed. Get your new stocks NOW!

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C.F.H. 51

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An entirely new work, based on 50 years' practical experience of bottle cleaning. Containing some invaluable information on modern Bottle cleaning practice, it should be in the hands of all interested in securing scientifically clean and sterilized bottles and jars at the lowest possible cost.

Send to-day—free to all executive members of the Trade.

THE THOMAS HILL ENGINEERING CO. (HULL), LTD.
247/249 BEVERLEY ROAD, HULL.



PRACTICAL HINTS ON BOTTLE CLEANING
by THOMAS HILL

The PINSON OXYGEN CYLINDER VALVE

The VALVE
your customers will eventually want.

COMPLETE CLOSURE and EASE of OPERATION.

The Manchester Machine & Instrument Mfg. Co., Ltd.
2 Booth Street, Manchester.

Let flies make money

Now that the pest of flies is here how welcome to every housewife is the means of quickly destroying them! What a great opportunity is yours of making substantial profits! Simply stock Wasp Flyband—the most effective Fly Catcher made. Stock left over will be fresh and saleable next year.

Place your order NOW for

The
WASP FLYBAND

Manufactured by
F. W. HAMPSHIRE & CO.
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NEW TRANSPOSITION TABLES for conversion of doses from animals to man. INTRAVENOUS
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A safe, simple and reliable remedy for Children's Ailments is advertised so extensively in the daily and weekly Press as to bring mothers to the retailer without effort on his part.

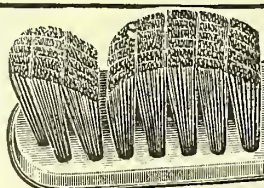
The selling has been done before the mother reaches the chemist, and, having supplied her, it is only common sense to claim she will buy other family necessities from him. Moreover, the continuous demand for it produces a quick turnover.

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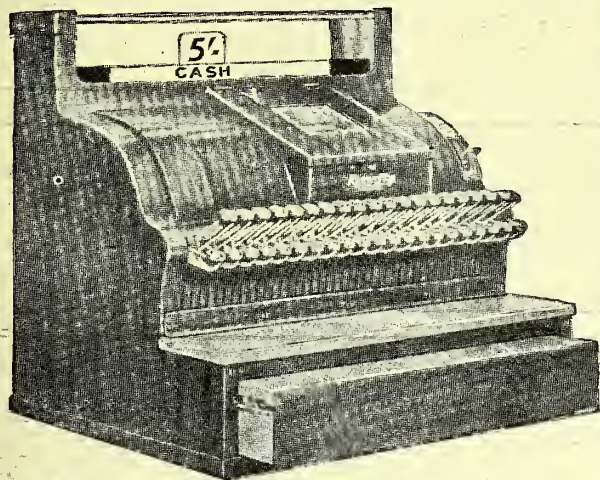
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The Remington Cash
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The Remington Cash Register records your sales as carefully as you dispense a prescription. Accuracy is the key note of the Remington; every penny that comes over the counter is recorded, checked, and totalled automatically.

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Remington

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& PRINTING

Window Pelmet "F"

To advertise your own developing and printing service fix to the top of the inside of your window a pelmet or adhesive window curtain as above—adapted to any size window—the words "Developing and Printing" in clear white letters on a black ground. Ask for window pelmet "F."

BRING YOUR SNAPS TO US FOR

DEVELOPING
& PRINTING

Shelf Strip "E"

On a shelf near the centre of the window about eye-level place the strip "E," illustrated above, to further advertise your printing and developing service.

These showcards are free on request, but by sending a £5 assorted order for films you will receive, in addition, parcel "A," which comprises some dozen or more showcards sufficient for a complete window display.

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LIGHTEST—MEDIUM—DENSE.
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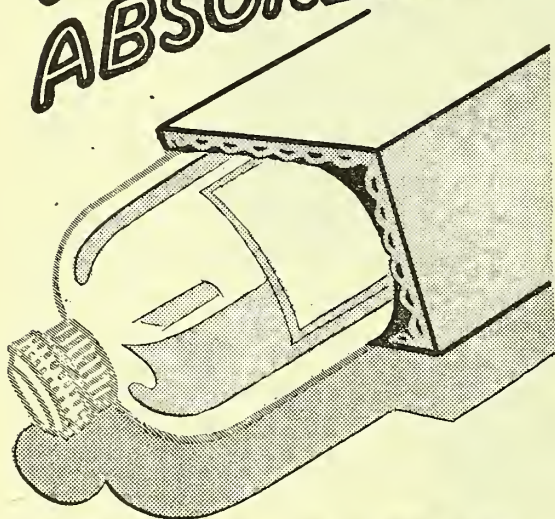
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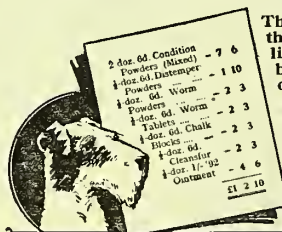
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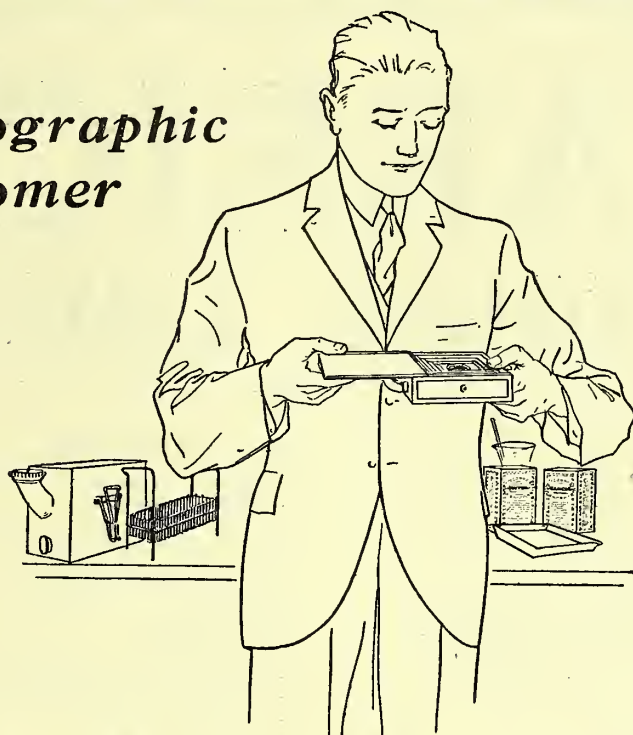
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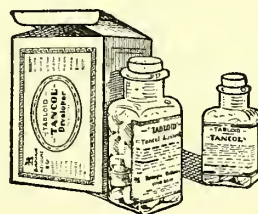
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Contents

No. 24

Series 2575

Vol. 110

| | PAGE | | PAGE |
|---|------|---|------|
| Associations' Meetings | 712 | Insurance Act Dispensing | 728 |
| Bankruptcy Reports | 709 | Legal Reports | 708 |
| Births | 716 | Marriages | 716 |
| British Pharmaceutical Conference | 713 | Merchandise Marks Inquiry | 726 |
| Business Changes | 706 | New Companies and Company News | 709 |
| C. & D. Commercial Compendium | 735 | N.E. Coast Exhibition | 710 |
| Coming Events | 705 | Observations and Reflections | 717 |
| Correspondence: Letters | 733 | Personalities | 716 |
| Legal Queries | 734 | Pharmaceutical Society of Great Britain | 712 |
| Miscellaneous Inquiries | 734 | Recent Patents | 711 |
| Deaths | 716 | Retrospect | 734 |
| Editorial Articles:— | | Scottish News | 706 |
| An Important Concession | 718 | Settling in Business—II | 714 |
| Rating Relief | 719 | Sporting Events | 707 |
| Fall in Antimony | 720 | Summer Outings | 725 |
| English News | 705 | Trade Marks | 715 |
| Future of Acetone | 727 | Trade Notes | 715 |
| Gazette | 709 | Trade Report | 729 |
| Glendalough | 721 | "Unstamped" for Dispensing | 714 |
| Information Department | 716 | | |
| Irish News | 706 | | |

Coming Events

This section is reserved for advance notices of meetings or other events. These should be received by Wednesday of the week before the meetings, etc., occur.

Monday, June 17

Chemists' Exhibition, Royal Horticultural Hall, Westminster, London, W.1. Closing date June 21.

Wednesday, June 19

Edinburgh Pharmacy Golf Club, Craigmuthar Park Course. Competition game.

Leeds Chemists' Golf Club. Meeting at Wetherby Course.

Friday, June 21

Edinburgh Chemists', Assistants' and Apprentices' Association, 36 York Place, Edinburgh, at 8 p.m. Practical botany demonstration by Mr. J. Rutherford Hill.

POLICE USE OF HYDROCYANIC ACID.—During a recent inquest held at Halmer End, Staffordshire, on the body of a police constable who poisoned himself, it was stated that hydrocyanic acid was kept at the police station for the purpose of poisoning dogs.

English and Welsh News

The Editor will be obliged if subscribers will send him marked copies of newspapers containing items of interest for insertion in this or other news sections.

Safeguarding of Key Industries

The Treasury have made an Order under Section 10(5) of the Finance Act, 1926, exempting methylcyclohexanol methyladipate from Key Industry Duty from June 10 to December 31, 1929, and continuing the exemption from duty of radium compounds until the same date.

Inquests

At Croydon, on June 6, the inquest on the body of Miss Vera Sidney (C. & D., June 8, p. 673) was resumed and was again adjourned.

At Barrow-in-Furness a child named Pauline M. Titterington, aged two, died from taking tablets, each containing 1.60 gr. of strychnine. A medical witness stated at the inquiry that a fatal dose for a child of that age would be six tablets. The coroner found that death was accidental.

The West London coroner held an inquest, on June 10, on the body of Captain Charles E. Darke, who died in a Paddington hotel. Dr. R. M. Bronté stated that death was due to potassium cyanide, and further evidence was given to the effect that last August Captain Darke bought 1 lb. of the cyanide, ostensibly for killing butterflies. Morphine, strychnine and other poisons were said to have been found in the room occupied by the deceased. A verdict of "Suicide while of unsound mind" was recorded.

At Hull, on June 6, an inquest on Mrs. Margaret A. Creaser, Park Street, resulted in an open verdict. Charles Henry Batterby, herbalist, Porter Street, said the bottle produced was similar to some he himself sold. He did not know the deceased woman, and did not know whether he had sold such a bottle. He sold ten or twelve bottles a week. The Coroner: For what purpose in your opinion are they bought?—For irregularities. The coroner read what was printed on the label, and suggested to the witness an alternative wording, interpreting the warning as an invitation to use the mixture for improper purposes. Summing up, the coroner said it was perfectly clear that the poor woman died of septicemia, and it was proved that something was taken and something was done. Indicating the bottle of medicine, he said: "It is a fact that the poor deluded women who take such stuff as this might generally just as well take plain water. . . . If such stuff as this is going to produce the desired effect it will also produce a very dangerous condition in the woman taking it. The people who manufacture this stuff, the people who sell it, the people who advertise it, and I think I must say the Government that gets 3d. on every bottle, are all in the same boat." The foreman said: "The jury are strongly of the opinion that this stuff should not be sold to these poor women."

Contracts

The following tenders have been accepted by the bodies named:—

Caerphilly Urban Council.—T. E. Williams, Ltd., chemists, drugs and chemicals.

Maidstone Town Council.—Oliver & Crick, chemists, drugs.

Malling Guardians.—Surgical Manufacturing Co., Ltd., sundries.

Merthyr Tydfil Town Council.—Mr. V. A. Wills, chemist and druggist, drugs.

Liverpool

Much gratification is felt among local chemists at the appointment of one of their number, Mr. L. Moreton Parry, as president of the Pharmaceutical Society.

"An enormous demand" for shops in Lord Street and Church Street was mentioned during the hearing of a recent case in the Liverpool County Court. A property agent said that there would be no difficulty in getting a

rent of £1,250 per annum for a small shop. There are three chemists' shops in Lord Street and one in Church Street.

Manchester

The Council of Manchester University has accepted a gift of £1,500 from Bengers Food, Ltd. This amount, together with a previous gift of £500 from the same source, is to be devoted to the furnishing and equipment of new laboratories for pharmacological and pharmaceutical chemistry, which will be called the Benger Laboratories.

Miscellaneous

IN THE COURTS.—At Blackpool, on June 7, William Counsel was fined 40s. for selling vinegar containing 3.5 per cent. of acetic acid.

POISON-LICENCE APPLICATION.—Mr. F. W. Hickton, Belbroughton, has applied to the Worcestershire County Council for a licence to sell agricultural and horticultural poisons.

DAVY CELEBRATION.—The centenary of the death of Sir Humphry Davy was celebrated at Penzance on June 8. Sir Humphry Rolleston (a great-nephew of Davy), Sir Ambrose Fleming and others took part.

FIRE.—Considerable damage was caused on June 18 at the cotton-wool bleaching department of Robert Bailey & Son, Ltd., Stockport, by an outbreak of fire. Fortunately the flames were prevented from reaching the main buildings of the mills, so it is anticipated that normal working conditions will obtain in the near future.

Scottish News

Brevities

Mr. Peter C. Baird, chemist and druggist, has opened a business at Burlington Buildings, Cow Wynd, Falkirk.

Mr. C. S. S. McDonald, chemist and druggist, Burnside, Auchtermuchty, has sold his business to Mr. Alexander M. Lamb, chemist and druggist.

A novel advertising scheme has been inaugurated by an Aberdeen newspaper; among the chemists participating are Messrs. J. Simpson & Son (Peterhead), J. Walker (Ellon), J. McKay (Torphins) and J. Lunan (Banchory).

The Angus County Insurance Committee have decided to raise the question of the provision of drugs out of the drug fund in respect of insured persons treated in voluntary institutions, at the conference to be held at Ayr in September.

At a recent meeting of the Glasgow Parish Council Mr. A. Crawford, chemist and druggist, proposed that all dispensaries should be placed under the charge of qualified chemists, the present unqualified staff to be retained as assistants. The motion was unanimously adopted.

Edinburgh

At a meeting of Edinburgh University Court on May 23 it was announced that sufficient money had been raised for the internal reconstruction of the medical buildings at Teviot Place. These were erected in 1880, and the modernisation is to be started during the summer vacation.

At the meeting of the Royal Society of Edinburgh, on June 3, Dr. Ian Sandeman read a paper on "Hydrogen Related to the Fulcher System"; Dr. J. A. V. Butler and Dr. W. O. Kermack spoke on "The Action of Salts of Polynuclear Basis on the Electro-capillary Curve"; and Professor W. C. McIntosh gave an address on "Abnormal Teeth in Certain Mammals, especially the Rabbit."

A successful outing was held on June 7 by the directors and staff of Harkness, Beaumont & Co., Ltd., Edinburgh. The party, which numbered about 112, travelled by special train to Wemyss Bay and there boarded the pleasure steamer "Duchess of Argyll." The route lay through the Kyles of Bute to Arran and by the Cumbraes to Gourock, thence by rail home. Everything combined to make a day of enjoyment that will be long remembered.

Irish News

Brevities

Mr. J. Moloney has opened a pharmacy in North Frederick Street, Dublin.

Mr. Hugh M. Mark has taken over the business of Lyons' Medical Hall, Ltd., 29 High Street, Omagh.

The death is announced of Sir William John Thompson, M.D., a former Registrar-General for Ireland and a prominent Dublin physician, aged sixty-eight.

The inquest at Kilmainhamwood on the body of Mrs. Julia Keelan, who was found dead on November 30 last, was completed on May 31, after several adjournments. The coroner read a report made by the State analyst, Mr. Peter O'Toole, in which he stated that in the viscera he had received he found present $\frac{1}{4}$ gr. of strychnine. Brucine was absent. The jury's verdict was that the deceased died from poison self-administered.

A cablegram from Auckland, New Zealand, announces the death of Mr. John A. S. Anderson, R.D., late proprietor of the Medical Hall, Killyleagh, co. Down. Mr. Anderson emigrated to New Zealand last year owing to ill health, his business in Killyleagh being turned into a limited company with a qualified manager. He served in the European war, holding a commission in the Royal Irish Rifles, and on demobilisation qualified as a druggist and set up business in Killyleagh.

Belfast

At the Belfast Summons Court recently, David Hall and Christina Jordan were summoned for selling sauce which contained 0.025 per cent. of salicylic acid. Hall was fined 5s., and the case against Jordan was dismissed.

At a meeting of Belfast Harbour Board on June 5 a resolution was passed congratulating Sir Thomas McMulian on the honour of knighthood conferred upon him by the King. Similar resolutions have been passed by other bodies in the city and county of Down.

At a recent meeting of the Police Committee of Belfast Corporation the executive officer reported as to a complaint received from the Ulster Retail Drug Trade Association with reference to the non-observance of the Chemists' Early Closing Order. The matter was left in his hands.

Members of the Ulster Retail Drug Trade Association, photographic dealers and their assistants were the guests of Kodak, Ltd., at an informal talk and cinematograph exhibition in the Grand Central Hotel, Belfast, on June 6. Mr. T. Bell, advertising manager of Kodak, Ltd., and chairman of the Incorporated Society British Advertisers, Ltd., gave a lecture on "Service."

At the meeting of Belfast Corporation on June 3 the Education Committee minutes showed that the principal of the Technical Institute submitted a list of applications received for the position of lecturer in pharmaceutical subjects, and the Committee agreed that the names of five candidates for the position be forwarded to the Queen's University authorities for approval, this being in accordance with the co-ordination scheme between the College and the University.

Business Changes

MR. R. J. BRAND, chemist and druggist, has purchased the business of Mr. H. Gower, F.S.M.C., 95 High Street, Thame.

MR. A. M. LAMB, chemist and druggist, has purchased the business of Mr. C. S. S. McDonald, chemist and druggist, Burnside, Auchtermuchty.

MR. HERBERT OSTRO, chemist and druggist, has acquired the business of Mr. Walter Harvey, Heidelberg, Transvaal, who has been established for thirty-eight years, and has retired from business.

MR. L. W. DOWNING, Ph.C., and MISS MARY I. HOPKINS, chemists and druggists, are opening a business under the name of The Argyll Pharmacy at 47 St. Helens Road, Swansea. At a later date they are also opening a pharmacy at The Dunns, Mumbles.

Sporting Events

THE inaugural match between members of the London Chemists' Golfing Society and members of the Manchester and the Liverpool Pharmacists' Golfing Societies took place at Birstall, Leicester, on June 5. The match was played in drizzling rain. The combined teams of Manchester and



Photo]

LONDON GOLFERS AT LEICESTER

[Daniel

Liverpool pharmacists won by ten matches to seven, the following being the results of the games:—

| Manchester and Liverpool | | London | |
|--------------------------|---------------|----------------|---------------|
| Mr. Owens | ... (4 and 3) | Mr. Turner | ... 0 |
| Mr. Price | ... (3 and 2) | Mr. Rees | ... 0 |
| Mr. — | ... (3 and 2) | Mr. Main | ... 0 |
| Mr. Collins | ... (8 and 7) | Mr. Carmichael | ... 0 |
| Mr. Jewell | ... (5 and 4) | Mr. Geddes | ... 0 |
| Mr. — | ... (6 and 5) | Mr. Pickles | ... 0 |
| Mr. Fairbairn | ... (1 up) | Mr. Daniels | ... 0 |
| Mr. Miller | ... (2 and 1) | Dr. Skelly | ... 0 |
| Mr. — | ... (3 and 2) | Mr. Parry | ... 0 |
| Mr. Sturdy | ... (8 and 7) | Mr. Quibell | ... 0 |
| Mr. Ashworth | ... 0 | Mr. Beaton | ... (1 up) |
| Mr. Stuart | ... 0 | Mr. Royle | ... (3 and 2) |
| Mr. Duncan | ... 0 | Mr. Presant | ... (5 and 4) |
| Mr. Bostock | ... 0 | Mr. Murray | ... (1 up) |
| Mr. Cromack | ... 0 | Mr. Cane | ... (3 and 2) |
| Mr. Travis | ... 0 | Mr. Deas | ... (5 and 4) |
| Mr. Nidd | ... 0 | Mr. Rae | ... (4 and 3) |

After tea Mr. A. J. Pidd, president of the Manchester Society, in proposing a vote of thanks to the Birstall Club, said they greatly appreciated the excellent arrangements made for the match. Mr. Turner, president of the London Society, in a humorous speech, said that although "the boys" from Manchester and Liverpool had "slipped it across them" this time, he could assure them their day would come.

THE newly formed Leeds Chemists' Golf Club received an excellent send-off, at a joint meeting of the Leeds District Branches of the Pharmaceutical Society and the R.P.U., on June 6, under the chairmanship of Mr. G. C. Crummack. It was reported by Mr. M. E. Murray (the originator of the club) that following the initial golf meeting at Garforth, when play proceeded, despite a snowstorm, the prizes had been competed for on Horsforth course, with the following results:—(1) Mr. W. Kemp, (2) Mr. Higgins, (3) Mr. T. Shooter. Mr. F. J. Simon (Goodall, Backhouse & Co.) presented a silver challenge cup for annual competition, the gift of Mr. W. P. Bowman, head of the firm. Mr. J. Lancaster, speaking on behalf of the R. P. U. branch, moved a vote of thanks to Mr. Bowman and Mr. M. E. Murray, seconded on behalf of the Society. It is intended that the first annual competition for the Bowman cup shall be played in September, and that every endeavour be made also to arrange friendly matches with the golfing chemists of neighbouring areas. The Committee of the new golf club comprises Messrs. M. E. Murray, T. Shooter, E. Carrick Foster, Houfton and Higgins.

THE annual competition of the Scottish Chemists' Bowling Association took place in Stirling on June 5, when two short of eighteen rinks entered. Particulars of the results of the rink games are as follows:—

| | | | |
|---------------------------|--------|-----------------------------|--------|
| J. B. McLaren (Kirkcaldy) | ... 28 | J. R. Milne (Dundee) | ... 9 |
| H. G. Gray (Glasgow) | ... 26 | A. W. Ritchie (Montrose) | ... 8 |
| J. C. Murdoch (Glasgow) | ... 26 | J. A. Hogg (Stirling) | ... 13 |
| D. Mathewson (Edinburgh) | ... 27 | W. Spence Culbert (Airdrie) | ... 18 |
| J. W. Logan (Glasgow) | ... 15 | C. B. Lee (Glasgow) | ... 20 |
| C. Dawson (Aberfeldy) | ... 19 | J. T. Simpson (Glasgow) | ... 14 |
| J. Carmichael (Leslie) | ... 22 | H. P. Arthur (Glasgow) | ... 17 |
| J. H. Tainsh (Edinburgh) | ... 23 | F. Stuart (Broxburn) | ... 20 |
| D. R. MacKay (Kirk) | ... 14 | G. Jarvie (Kirkintilloch) | ... 14 |
| 3 a side | ... 14 | 3 a side | ... 14 |

The annual meeting was held after the same. The chairman proposed that Mr. W. M. Ferrier, Brechin, be made first *Honorary President*. Mr. Finlay Stuart, Broxburn, seconded, and the proposal was carried with acclamation. The result of the election of office-bearers was as follows:—*President*, Mr. C. R. Brown, Edinburgh. *Vice-President*, Mr. W. Seivwright, Glasgow. *Secretary and Treasurer*, Mr. J. S. B. Heddle, 257a Leith Walk, Leith. *Committee*, Messrs. J. B. McLaren (Kirkcaldy), J. Carmichael, Leslie and J. Bisset (Burntisland). It is hoped to play next year's game at Kirkcaldy.

THE annual golf competition for chemists in Ulster was played over the Royal Portrush course on June 5. The McMullan Challenge Cup having been won outright last year, T. McMullan & Co., Ltd., presented another cup for perpetual competition. A large number of competitors turned out and the results were as follows:—Class A, R. L. Clarke, 83—12=71; Class B, W. A. Murphy, 110—22=88. In the 18-hole final Mr. Clarke won by 5 and 4. The visitors' prize was won by Mr. J. H. Miles with a score of 75. The party were entertained to lunch and tea by Mr. G. W. T. McCann, managing director of Boggs' Medical Hall, Ltd., Portrush, and after lunch a meeting was held in the club house. Mr. McCann extended a cordial welcome to the competitors. A vote of thanks to T. McMullan & Co., Ltd., for presenting the cup, was proposed by Mr. W. J. Hardy (president of the Pharmaceutical Society of Northern Ireland), who, at the same time, conveyed the congratulations of the drug trade to Sir T. W. McMullan on the recent honour of knighthood bestowed upon him. This was seconded by Alderman R. F. McCartney, J.P., and supported by Mr. Fred. Storey. Mr. F. D. McMullan acknowledged the resolution on behalf of Sir Thomas and the firm. The office-bearers were re-elected, with the



Photo]

ULSTER CHEMISTS AT PORTRUSH

[Lee

addition of Mr. F. D. McMullan and Mr. G. W. T. McCann as *Vice-Presidents*, and Mr. S. McLoughlin to the *Committee*. A presentation was made to Mr. W. J. Rankin, jun., who acted as secretary for twelve years. Complimentary speeches were made by Messrs. A. W. Mann, H. Todd, J.P., J. Dundee, J. Macauley, S. McLoughlin, A. M. Gamble, J. Beatty, W. E. Wilson, F. Storey and H. McRoberts. Mr. F. D. McMullan handed over the presentation, and Mr. Rankin suitably replied. A vote of thanks to the host was proposed by Mr. H. Todd, and seconded by Mr. W. E. Wilson. A vote of thanks to the Royal Portrush Golf Club was carried unanimously.

Legal Reports

Dangerous Drugs not Entered in Register.—At Manchester Police Court, on May 29, Mr. Maurice Blumenthal, chemist and druggist, Folkestone Road, Clayton, appeared in answer to four summonses under the Dangerous Drugs (Consolidation) Regulations, 1928, charging him with failing to enter in the prescribed register particulars relating to supplies of preparations containing diamorphine. It was stated that upon a search of the prescriptions passed through to the Manchester Insurance Committee by the defendant for payment, officers found twelve prescriptions containing diamorphine which had been supplied since January 1, 1929. No entries relating to any of these supplies appeared in the defendant's register. When questioned he admitted that he had been careless. Mr. Ralph Hall, solicitor for the defendant, said that his client pleaded "Guilty." It was through an oversight that he had failed to make the necessary entries. The magistrates imposed a fine of £10 on each of two summonses, with costs.

Warranty Sequel.—At Staple Hill Police Court, on June 6, Thomas Hodgkinson, Prestons & King, manufacturing chemists, London, E.C.2, were summoned for supplying tincture of iodine under a false warranty. Mr. G. D. Wansbrough defended and pleaded "Not guilty." Mr. A. E. Painter, prosecuting for the police, said that on March 25 a sample of tincture of iodine was purchased from Sigrist & Co., Ltd., chemists, Hanham, and after analysis was found to be deficient in potassium iodide to the extent of 36 per cent. A summons was issued against them, but after the magistrates had heard the defence, which was to the effect that it was sold under a warranty, they dismissed the case. Mr. Painter said that the perfectly innocent firm had suffered the odium of a prosecution, which was a very distasteful thing, and did the firm a great deal of harm despite the fact that they were discharged. Mr. William James Beardsley, a partner in the firm of Hodgkinson, Prestons & King, said they had been manufacturing for 100 years, and had never had a conviction recorded against them. They tested the tincture of iodine several times each quarter, and had never before found any error. He attributed the deficiency to the fact that owing to the colder weather in January, when the tincture was made, the potassium iodide did not dissolve properly. The magistrates dismissed the case on payment of costs, £7 5s.

False Pretences.—At Tower Bridge Police Court, London, on June 10, Vyrnwy Jones (28), Lewisham High Road, S.E., described as a druggist, was charged with obtaining various sums of money by false pretences and with intent to defraud Mrs. Elizabeth Wingfield, Ilderton Road, S.E., between April 10, 1926, and May 21, 1929. Mr. Quarrell, solicitor, appearing for the Pharmaceutical Society of Great Britain, said that in April 1926 Mrs. Wingfield, the widow of a qualified chemist, engaged the accused to manage her shop at Ilderton Road. He represented himself as a fully qualified chemist, and when he came in to work he brought with him a certificate, as under the Act. The certificate, produced, was a genuine one, but a strip of paper had been pasted over the name originally on it and his own substituted. When this was hung on the wall it looked quite in order. He had been earning £5 a week as a qualified chemist and that was the false pretence. It had put Mrs. Wingfield in a very painful position. The accused pleaded "Guilty," and elected to be dealt with summarily. Mrs. Wingfield stated that the accused had given her every satisfaction. She would not have employed him if she had known he was unqualified. The Magistrate: This is a very important case from the public point of view. (Addressing the accused): You have carried on this business successfully, but I cannot look on this case lightly, because others, less skilful than yourself, might also take the risk. You will go to prison for three months in the second division.

Injunction Granted.—In the Chancery Division of the High Court, London, before Mr. Justice Maugham, on June 11, counsel for plaintiffs in the action by the Prichard and Constance Manufacturing Co., Ltd., against the Radium Manufacturing Co., Ltd., moved for judgment against the defendants in default of defence.

Counsel stated that the action was brought for infringement of plaintiffs' two trade marks, and for passing off. The defendants had appeared to the writ, but they were not now represented. The writ was issued on January 18, and Mr. Justice Eve, in February, granted an interim injunction restraining the defendants until judgment or further order for infringing plaintiffs' trade marks, and for selling, or permitting to be sold, any perfumery, toilet articles, etc., not of plaintiffs' manufacture under the name Amarbay. The plaintiffs had extensively used their trade marks, in particular the word Amami, in connection with preparations for the hair. The defendants were offering for sale preparations for the hair under the name Amarbay not of the plaintiffs' manufacture, contained in wrappers similar to those used by plaintiffs, and on which was printed a colourable imitation of a trade mark of the plaintiffs. The defendants had employed about twelve canvassers to sell their packets in London, Reading, East Grinstead and elsewhere. Plaintiffs asked for a perpetual injunction against the defendants to restrain them from infringing their trade marks and from passing off any perfumery, toilet articles, etc., not of plaintiffs' manufacture as and for the goods of the plaintiffs, and for offering for sale any such goods in wrappers of the containers which were a colourable imitation of those used by plaintiffs. They also sought to restrain the defendants from using the name Amarbay, or any other name calculated to lead to the belief that the defendants' goods were goods of the plaintiffs, and they further claimed delivery up of the infringing articles. His lordship granted an injunction as asked.

Merchandise Marks Act, 1887.—At Bow Street Police Court, London, on June 12, Mr. Graham Campbell delivered his considered judgment in the adjourned case in which Wallace Pure Foods, Ltd., Tottenham Lane, N., were summoned for having, with intent to defraud, applied to coffee a false trade description as to the materials of which it was composed, contrary to the Merchandise Marks Act, 1887 (*C. & D.*, June 8, p. 676). Before giving judgment, the magistrate said he desired to state publicly that he had received an anonymous letter containing a report of the case cut from a trade paper, together with a document headed "Criticism of evidence." He need scarcely say that he read no further, but passed the documents to the clerk, who informed him of the nature of the contents. They consisted of comments and criticism regarding the evidence given before him. The only object of such a communication must be to endeavour to induce him to act on statements not made on oath or subject to the test of cross-examination. That was not the way in which justice was administered in British courts, and he was amazed that any person of ordinary intelligence should have failed to recognise the gross impropriety of addressing such a communication to him. He did not suggest that the document came from anyone connected with the case, but he passed the letter on for perusal to counsel engaged on both sides. Mr. Wishart subsequently observed that the communication was obviously grossly improper. Mr. Campbell then gave his decision. He said that after considering the evidence of the experts he was not satisfied that the case for the prosecution had been made out. The statement on the tins was that the coffee was pale roasted, and was shown by analysis to be practically caffeine-free. For the defence it had been urged that the word "caffeine" must be taken to mean "free caffeine," and not caffeine in combination with other substances. He thought this contention was correct, especially as there was evidence that the compound caffeine chlorogerate had totally different qualities from those of free caffeine. The evidence of the experts called for the prosecution showed that in order to obtain free caffeine they had to break down the compound, and it was only after this had been done that free caffeine was obtained. There was always more caffeine in dark roasted coffee, so that it was correct to say that there was less caffeine in the coffee in question than in most other kinds. He accordingly dismissed the summons. Mr. Critchley's application for costs was refused. Mr. Wishart said that the case was one of considerable importance to his clients, and he might have to ask the magistrate to state a case for the consideration of the superior court.

New Companies and Company News

P.C. means Private Company and R.O. Registered Office.

PENSBY PHARMACY, LTD. (P.C.).—Capital £300. Objects: To carry on the business of chemists, druggists, opticians, drug store proprietors, etc. The first directors are: G. A. Lucop and Mrs. Kate E. Lucop. R.O.: Whitfield Buildings, Pensby Road, Heswall, Cheshire.

HOMERTON CHEMISTS, LTD. (P.C.).—Capital £700. Objects: To adopt an agreement with C. R. Todd, and to carry on the business of chemists and druggists formerly carried on by him at 55 High Street, Homerton. The directors are: W. Shiach and C. R. Todd. R.O.: 218 Bishopsgate, E.C.2.

W. M. BISSET, LTD. (P.C.).—Capital £400. Objects: To acquire the pharmacy of W. Bisset, at 31 Fore Street, Wellington, Somerset, and to carry on the business of chemists and druggists, opticians, stationers, patent-medicine proprietors, etc. The directors are: W. Bisset and H. T. Passmore, J.P. R.O.: 31 Fore Street, Wellington, Somerset.

FULLER LABORATORIES, LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of The Fuller Laboratories, of 1 Crutched Friars, E.C., and to carry on the business of chemists and druggists, manufacturers of and dealers in toilet requisites, etc. The directors are: D. Simpson, Julia M. Simpson and A. W. Arscott. R.O.: 1 Crutched Friars, E.C.2.

SANAUTOSALES, LTD. (P.C.).—Capital £1,000. Objects: To carry on the business of proprietors and hirers of automatic and mechanical vending machines and devices for the delivery, display and sale of goods, dealers in and distributors of sanitary and toilet specialities, soaps, chewing gums, sweetmeats, etc. The directors are: O. W. Hopkins and Dorothy E. Hopkins. R.O.: 4 Chapel Walks, Manchester.

THE RAYCOL BRITISH CORPORATION, LTD. ("Public" company).—Capital £300,000 in £1 shares. Objects: To adopt an agreement with Raycol, Ltd., and to carry on the business of manufacturers of and dealers in cameras, photographic dry plates, films, papers, lamps, chemicals, lenses, etc. The first directors are to be appointed by the subscribers. Solicitors: Herbert Smith & Co., 62 London Wall, E.C.2. The file number is 239,872.

MULTIPOSE PORTABLE CAMERAS (U.S.A.) was registered as a public company on April 24, with a nominal capital of £150,000 in 4s. shares, to adopt an agreement with Anatol Josepho and the Austin Friars Trust, and to carry on the business of manufacturers of and dealers in cameras and photographic apparatus of all kinds. Subscribers: E. H. Wiseman, G. W. Waspe and five others, who will appoint directors. Solicitors: J. D. Langton and Passmore, 111 Old Broad Street, E.C.

PAINES & BYRNE, LTD. (P.C.).—Capital £1,000. Objects: To acquire the business of dealers in medical and surgical requisites carried on by H. W. Paines and J. F. Byrne as "Paines & Byrne" at 45 Gordon Square, W.C., and elsewhere, and to carry on the same and the business of chemists, druggists, dentists and opticians, etc. The directors are: H. W. Paines, St. Peter's, Shepherd's Way, Rickmansworth, chemist and druggist, and J. F. Byrne, 107 Gracefield Gardens, Streatham, S.W.16, sales director.

A. BOAKE, ROBERTS & CO., LTD.—The directors propose to pay a final dividend of one per cent., free of tax, on the ordinary shares, making seven per cent. for the year; £5,000 is placed to reserve, making £85,000, and £25,830 is carried forward.

TAYLORS (CASH CHEMISTS) TRUST, LTD.—At the annual meeting, held on June 12, it was announced that the losses on the board by death of Sir Robert Porter and Mr. Langford Moore had been filled by Mr. Ernest Gee and Mr. S. B. Mason, for many years directors of Squire & Co. (Birmingham), Ltd., and Taylors' Drug Co., Ltd., respectively.

BOOTS PURE DRUG CO., LTD.—The forty-first annual general ordinary meeting was held on June 6 at Nottingham. For the year ended March 31, 1929, the profits were £750,152, against £701,973 the previous year. Dividends totalling 24 per cent. have been paid on the ordinary capital and the tax-free bonus raised from 3½ to 5 per cent. Appropriation to reserve is raised from £150,000 to £200,000, bringing the fund up to £900,000. £226,710 has been carried forward, against £208,307 last year. It was reported that Dr. F. L. Pyman had been made a director in place of the late Dr. Bowis. The new factory at Beeston, Notts, is to start production this month. The recent sale of toilet preparations proved a great success. The work of the laboratories in various fields of research with particular mention of vitamin testing was commented upon. There are now 840 shops.

Bankruptcy Report

Re Thomas Benjamin Davies, 52 Castle Street, Caerphilly, Glamorganshire, chemist and druggist. The first meeting of creditors was held on May 22 at 34 Park Place, Cardiff, when the debtor attributed his failure to depression in trade, heavy overhead expenses, keen competition, and the opening of a branch multiple store near his premises. No statement of affairs had been lodged, and the matter was left in the hands of the official receiver.

Private Arrangement

P. W. ROWE, London Road, Portsmouth, chemist and druggist.—A meeting of the creditors was held on June 6 at the offices of the Association of Manufacturing Chemists, Kimberley House, Holborn Viaduct, E.C. The representative of J. B. Hay & Co., the principal trade creditors, was elected to the chair. Mr. D. Weller submitted a statement of affairs which showed ranking liabilities of £1,196 17s., made up as follows:—Trade creditors, £859 11s. 6d.; cash creditors, £120; and partly secured creditors, £217 5s. 6d. The assets comprised cash in hand £3 4s. 3d.; stock, £650, estimated to realise £550; fixtures and fittings £287, expected to produce £250; National Health Insurance, £4; and surplus from secured creditors £71, making a total of £878 4s. 3d. After allowing £24 9s. 8d. for preferential claims, the net assets were £853 14s. 7d., or a deficiency of £343 2s. 5d. It was stated that the debtor commenced trading at Porchester in 1923, when he took an empty shop, his capital being £40. He sold the business at the beginning of last year for £800, and then acquired his present premises at London Road, Portsmouth. The shop was empty, and he obtained a seven years' lease at a rental of £175 per annum. After a short discussion it was decided that subject to the execution creditors withdrawing, the matter should be dealt with under a deed of assignment with Mr. Parkin S. Booth, of the Association of Manufacturing Chemists, as trustee, together with a committee consisting of the representatives of J. B. Hay & Co., Sangers, Ltd., and Wright, Layman & Umney, Ltd. The following are creditors:—Atkinson, J. & E., Ltd., £10; Anglo-American Oil Co., Ltd., £12; Acton Pill and Tablet Co., Ltd., £10; Barclay & Sons, Ltd., £20; Baiss Bros. & Co., Ltd., £14; Beecham's Pills, Ltd., £10; Christy, T., & Co., Ltd., £11; Cuxson, Gerrard & Co., Ltd., £16; Dalmas, A. de St., & Co., Ltd., £18; Evans Sons Lescher & Webb, Ltd., £20; Grossmith, J., Ltd., £10; Hay, J. B., & Co., £66; International Icilmia Trading Co., Ltd., £15; Maw, Son & Sons, Ltd., £10; Meggeson & Co., Ltd., £21; Reliance Rubberware, Ltd., £10; Sangers, Ltd., £51; Sparklets, Ltd., £16; Teucer, Ltd., £57; United Drug Co., Ltd., £48; Wright, Layman & Umney, Ltd., £52; Yardley & Co., Ltd., £33.

Gazette

Bankruptcy Acts

RECEIVING ORDER

BIDIE, F. W., 10 Lemon Street, Truro, and Central Square, Newquay, chemist.

North-East Coast Exhibition

THE North-East Coast Exhibition was opened by H.R.H. the Prince of Wales on May 14. The project was first mooted in March 1926, but a large-scale undertaking was not then contemplated. Later, a decision was reached to hold an exhibition in 1929. The site is one of 120 acres, or four times the area occupied by the exhibition in Newcastle in 1887. The main entrance consists of twelve huge pylons, and the grounds, which are well laid out, include an artificial lake and gardens. The main buildings are the Palace of Engineering and the Palace of Industries. The floodlighting and ground illumination—one of the largest schemes of coloured floodlighting ever achieved—is obtained with B.T.H. floodlight projectors and Mazda lamps. As in the case of the Wembley Exhibition in 1924, we have sent a representative to select, from the varied types of exhibit, those that are of interest to the drug trade.

Palace of Industries

This is the largest of the exhibition buildings, having a floor space of 167,000 sq. ft. The stands are specially attractive, and in the majority of cases are "working exhibits." It is claimed that this is the biggest exhibition of its kind in the country. Exhibits and exhibitors in this section include the following:—

BAKELITE, LTD., have an exhibit showing varied application of different Bakelite products, including laboratory ware to withstand the action of hydrofluoric acid, insulating material, varnishes and enamels.

THE BLAYDON MANURE & ALKALI Co. (1877), LTD., have a general display of horticultural and agricultural manures, including Florano for flower gardens. Other products are Blanc-Fixe (a barium product for technological purposes), sulphate of alumina for water softening, and coal carbonisation by-products.

BRADY & MARTIN, LTD., show medicinal products and surgical instruments, scientific and chemical apparatus, pure chemicals. Scientific glassware is on view, and examples of the standardisation of ground-glass joints. Ambulance stores are also displayed.

CROMESSOL Co. show Cromessol disinfectants soluble in water and prepared in a variety of odours for use where a flual disinfectant is required; Solution A is for factories, and Solution B is a vermin destroyer. Sprayers are also shown, and Habuka moth killer in sachet form. At this stand is a coconut oil liquid toilet soap.

J. C. ENO, LTD.—The feature of this exhibit is a reproduction of the shop window of Mr. J. C. Eno's shop in the Groat Market, Newcastle, in 1868.

THOMAS HEDLEY & Co., LTD., have an attractive Fairy Olive Oil Soap exhibit. This consists of a representation of fairyland with castellated entrance, waterfall, grotto, and other features.

MAWSON & SWAN, LTD., show photographic collodions, surgical collodions, enamel collodions, photographic



MAIN AVENUE

varnishes and preparations, india-rubber solution, silver cream and motor-car polish.

ROBINSON & Co., LTD., display folding cardboard boxes and cartons for all packers, specimens of lithographic printing, and the Simplex paper-cutting machine for counter use.

HUDSON SCOTT & SONS, LTD., have an exhibit stressing the importance of packing in a sales campaign and including decorated metal boxes in original designs, labels, showcards and novelties printed by various processes.

SCOTT & TURNER, LTD., occupy ten stands with an exhibit of Andrews Liver Salt. At the "Temple of Health" at one end Andrews Liver Salt is dispensed free. In front of this there is the "Fountain of Health" (fifteen feet high) set in a garden. Adjoining is an automatic tin-making plant supplied by E. W. Bliss, which turns out 250 tins a minute from flat printed sheets. The making of these is continuous and the daily output of the exhibition plant is 75,000. These tins are filled and packed at the Andrews works in Newcastle, filling being an impossibility in the exhibition.

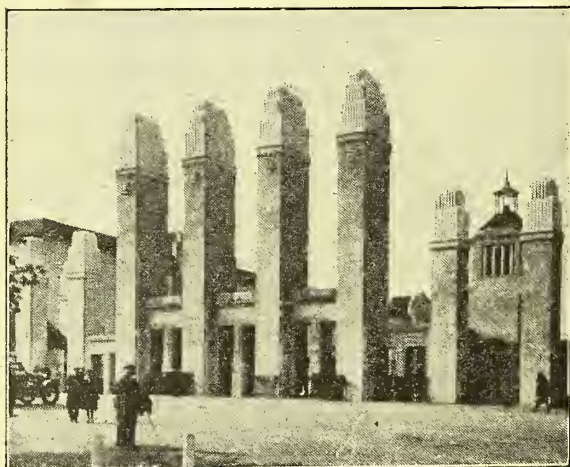
THE THERMAL SYNDICATE, LTD., exhibit Vitreosil. There is also shown a selection in translucent and transparent varieties of Vitreosil laboratory ware and apparatus for general and research work, Vitreosil plant for chemical manufacture, tubes for x-ray work, mercury arc and radio-therapy lamps.

A. TOWER & Co., LTD., show methods of production under the most modern conditions of mineral and table waters. The plant, by Barnett & Foster, includes the Orbit automatic bottling unit for aerated waters, the Orbit patent automatic syruer, filler and crowner. Other components are the Niagara bottle brusher and rinser and Axis labellers.

TOWNSEND & Co., in conjunction with C. T. MALING & SONS, show earthenware of all descriptions, including photographic dishes, porous pots and druggists' jars.

WILKINSON & SIMPSON, LTD., show Natural health salt, Castle wine essence, baking powder, ginger-beer powder, Red Seal baking powder, essences, photographic goods, spices, and household preparations. A tablet machine may be seen working on the stand.

Among other exhibits in this building are those of:—W. BENSON & SON, LTD. (agricultural lime); BOYD & Co. (malt extracts); THE BRITISH COMMERCIAL GAS ASSOCIATION; THE BRITISH ELECTRICAL DEVELOPMENT ASSOCIATION (INC.); CARR & Co., LTD. (biscuits, confectionery and chocolate); CHANCE BROTHERS & Co., LTD. (lenses, laboratory glass); J. DAMPNEY & Co., LTD. (colours, varnishes, polishes); G. DAVIDSON & Co. (glassware for



MAIN ENTRANCE

FOX'S GLACIER MINTS, LTD.—The main portion of this stand is given to peppermints. Other products are chocolate-coated glacier mints, Fox's transparent fruits and barley sugar, botanic throat and chest tablets, eucalyptus and menthol tablets.

engineering and other trades); ELECTRIC LAMP MANUFACTURERS' ASSOCIATION; T. H. HARRIS & SONS, LTD. (household and laundry soaps); I. A. HODGSON & CO., LTD. (tin containers, advertising tablets, etc.); THE IGLODINE CO., LTD.; JUDGE BRAND CO., LTD. (polishes, stains, varnishes); JOHN MACKAY & CO. (NEWCASTLE), LTD. (aerated waters); PILKINGTON BROTHERS, LTD. (vita glass, etc.); POWELL'S PRODUCTS, LTD. (food products, essences, vinegar); PRESS CAPS, LTD. (metal tops for bottles and other containers); RADIATION, LTD.; REDHEADS ADVERTISING, LTD.; REED, MILLICAN & CO., LTD. (daylight signs); F. ROBSON & Co. (scientific instruments, spectacles); SEFTONIAN LABORATORIES (floor, metal and other polishes); JOHN SMITH & SON (HALTWHISTLE), LTD., with whom are associated HOYLE, ROBSON, BARNETT & Co., LTD. (cellulose lacquer); TULLY-CRABBE, LTD. (advertising matter); VAN DER VELDE & Co. (rubber stamps); WALKER & HALL, LTD. (toilet sets); W. WREN & Co., LTD. (polishes).

Palace of Engineering

The area covered by this section is 100,000 sq. ft., and the height of the tower is 150 ft. The chief industries of the North-East Coast being coal mining and shipbuilding, the principal object of the exhibition is to demonstrate the resources of these kinds available. Exhibitors included the following:—

THE ANGLO-AMERICAN OIL CO., LTD., have an attractive display of Flit insecticide and Nujol.

THE CHEMICAL & INSULATING CO., LTD., show samples of all forms of industrial and pharmaceutical magnesia, manufactured by the Pattison process. Analytical data showing samples of light magnesium carbonate recently analysed are available.

IDEAL HOME ELECTRICAL APPLIANCES, LTD., display ultra-violet radiation apparatus, hair dryers, electric heating blankets and pads, radiant light and heat apparatus.

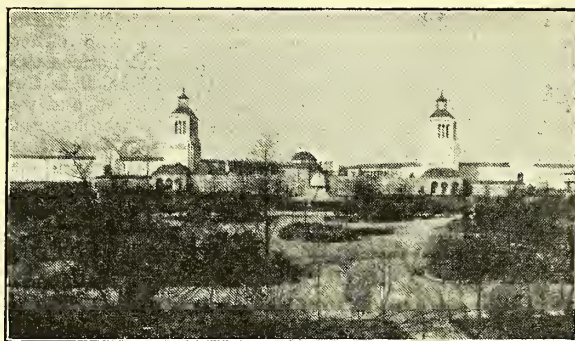
ILLINGWORTH CARBONISATION CO., LTD., show samples of by-products obtained in the process of the Illingworth system of low-temperature carbonisation.

IMPERIAL CHEMICAL INDUSTRIES, LTD.—The main feature of the exhibit is a cinema hall, where films are shown depicting the manufacture of heavy chemicals, explosives, dyes and fertilisers. The exhibit is representative of the forty associated companies forming the I.C.I. Grouped round the cinema hall are models relating to the chemical

(recording instruments, pyrometers, etc.); NEWALLS INSULATION CO., LTD.; R. POWLEY & SONS, LTD. (plant for the manufacture of aerated waters).

In the Grounds

The pavilion of the Empire Marketing Board in the grounds has been designed by Professor Richardson, of London University. Above the main entrance are three symbolical panels, and on each side of the entrance are



PART OF THE GROUNDS

shop windows of Empire products. On one side of the hall is a cinema in which films giving glimpses of Dominion and Colonial life are shown; on the other side is a reception room with a floor of Australian woods, and also a kitchen where demonstrators cook meals. In the upper section of the building are three permanent buildings. By changing the displays every colony will be represented during the time the exhibition remains open.

NUMOL, LTD., occupy an island building of imposing structure in the grounds, where Numol and Soloform preparations are shown. A. W. BUCHAN & Co. have a showcase in this building filled with stoneware containers, etc.

The EVENING WORLD Palace of Enterprise is at the top end of the avenue leading to the Amusements Park. Exhibitors and exhibits in this pavilion during a recent visit of a CHEMIST AND DRUGGIST representative included the following: KU-BIST beauty creations, V. K. ROTARY CO., LTD. (Grip-Fix paste); ELFREDA PERFUMERY CO. (Rawdon, Leeds); UNITED WATER SOFTENERS, LTD.; CORALINE CO., LTD. (foot ointment); THE POLISHING PRODUCTS CO. (polishes and stain removers); WRIGHT'S COAL TAR SOAP; POTTER & MOORE, LTD. (toilet preparations); MRS. POMEROY, LTD. (beauty preparations); KOLYNOS, INC. (tooth-paste); MYOSOTIS (perfumery and powder puffs).

Other buildings and attractions in the grounds are the Festival Hall, Palace of Arts, Artisans' Section, Stadium and Amusement Park. The exhibition will remain open until October.

Recent Patents

Abstracts of specifications of recently-granted patents for inventions. The complete specification (1s. each including postage) of any British patent can be obtained from the Patent Office, 25 Southampton Buildings, London, W.C.2, on quoting the name of the patentee and the number of the patent.

Waterglass Solutions.—A process for the production of waterglass solutions from silicic acid or siliceous raw materials and alkali lye under heat and pressure, which consists in heating the siliceous raw material in autoclaves together with liquors containing alkali chloride obtained from electrolytic baths. (I. G. Farbenindustrie, 299,763.)

Pharmaceutical Products.—A process for the manufacture of new polyamino products of the quinoline, di- and tri-arylmethane, azine, oxazine, thiazine, acridine and xanthine series as claimed in specification 267,169, with the modification that a nitrogenous residue of a hydro-aromatic or heterocyclic nature is coupled to the aromatic amino group with or without an intermediate aliphatic radicle, the new products having therapeutic properties. (I. G. Farbenindustrie, 282,453.)



EMPIRE MARKETING BOARD PAVILION
(on left)

industry, and specimens of many of the products of the constituent companies.

Other exhibitors in this building include: BRETT'S OIL & GREASE CO.; BRITISH ROAD TAR ASSOCIATION; CARGO FLEET IRON CO., LTD. (creosote, sulphate of ammonia, basic slag for agricultural purposes); JOHN DAVIES INSULATING CO., LTD. (anti-corrosive, cellulose lacquers and enamels); GRAMPIAN ENGINEERING CO., LTD. (disinfecting and sterilising apparatus); JAMES A. JOBLING & Co., LTD. (Pyrex laboratory glassware); NEGRETTI & ZAMBRA

Pharmaceutical Society

of Great Britain

Glyn-Jones Memorial Fund

The following letter, regarding the Glyn-Jones Memorial Fund, has been received from the secretary and registrar of the Pharmaceutical Society:—

SIR,—The total amount so far received in response to the appeal made by our organisations is £3,896 12s. 1d. We do not feel that this response is satisfactory. There are still many individuals and many firms who either through forgetfulness or because they have not noticed the appeal have not subscribed. We feel that £5,000 is the smallest amount with which we should be content, and we would urge everyone who reads this letter and who has not yet sent something to the fund, to help us to reach this amount. £5,000 is a small enough fraction of what the drug trade has received as a result of Sir William's work, and we ask those who agree with us to send their contributions at once so that we may reach that sum and close the appeal by the end of June.—Yours faithfully,

L. M. PARRY,

President of the Pharmaceutical Society of Great Britain.

H. P. ARTHUR,

Chairman of the North British Executive.

A. RIDOUT,

President of the Proprietary Articles Trade Association.

H. GILLEGHAN,

Chairman of the Chemists' Defence Association.

D. LLOYD HOWARD,

Chairman of the Drug and Fine Chemical Manufacturers' Association.

North British Executive

The names of persons eligible for election on June 19 are:—H. P. Arthur, F. W. M. Bennett, D. Black, W. S. Brown, J. Carmichael, G. Coull, W. S. Culbert, A. Currie, P. M. Duff, J. J. Forbes, D. Harley, J. S. B. Heddle, D. McCall, D. G. Mackenzie, T. Maekenzie, A. McMillan, W. G. McNab, J. B. McVitie, J. R. Milne, A. Robertson, P. Short, C. Simpson, C. Stewart, H. W. Thomas, J. Weir. There are seventeen vacancies.

The English Qualification in South Africa

Mr. H. N. Linstead, secretary and registrar of the Pharmaceutical Society, has sent us the following communication:—

Under the recently passed Medical, Dental and Pharmacy Act of South Africa, after January 1 of this year the qualification of the Pharmaceutical Society of Great Britain will no longer be accepted for registration in South Africa until the South African qualification is accepted for registration here. I have recently been informed by the registrar of the South African Pharmacy Board that under powers given them by Section 23 (1) of the Act, the Board is prepared to recognise the certificate of the Pharmaceutical Society of Great Britain subject to the following two provisos, the first of which is included in the Act itself. These provisos are: (1) That an applicant must be a British subject, (a) born in any part of the Union, or (b) domiciled in the Union when he commenced his pharmaceutical studies and having proceeded from the Union for the purpose of prosecuting those studies; (2) that he must submit as proof of preliminary education the certificate of the Joint Matriculation Board of the Union of South Africa or its equivalent, or in the case of a candidate whose apprenticeship or training commenced prior to January 1, 1929, such other certificate in general education as would have entitled him to admission to the examination held by any one of the Pharmacy Boards then existing in the Union or Medical and Pharmacy Council of the Orange Free State.

Branch Meetings

Leeds.—The sixth annual business meeting of the Leeds and District Branch was held on June 6, Mr. G. C. Crummack presiding. The annual report, presented by Mr. A. W. Lupton (secretary), recorded a year of successful activity. The balance sheet, which Mr. Lupton presented as treasurer, showed a total income of £53 11s. 9d., including £40 grant from the Society. The expenses had been heavier than usual. The credit balance had been reduced from £12 12s. 3d. at the beginning of the year to £4 17s. 10d. The reports were adopted. Mr. J. Hayes moved that the Branch should call on the Council of the Pharmaceutical Society for a reduction of the membership subscription to the original figure of £1 1s. He suggested that the increase to £1 11s. 6d. was a war-time levy, that the functions and duties of the Society had been curtailed by the division of responsibilities between the Society and the R.P.U., and that chemists in their own shops were steadily having to return to pre-war charges to the public. In answer to the argument that the Journal was an expensive branch of the Society's activities, Mr. Hayes said that the Branch should offer an alternative suggestion, that the subscription be £1 1s., with an extra 10s. 6d., which need not be paid by those who did not desire the Journal. Mr. J. H. Beacock seconded the proposed reduction, but said he could not agree to the alternative. The chairman said he hoped the Leeds Branch would not be the one to suggest withholding support, moral or material, from the Society. As to the Society's duties, he could suggest sixteen important duties off-hand. If Mr. Hayes's resolution were passed it would be in the nature of a vote of censure on the Council and also on the Executive of the Branch. Mr. Hayes, replying, objected to the suggestion that he was moving a vote of censure. On the proposition being put to the meeting the voting was at first equal, but on being put a second time the resolution was lost by two votes. The following officers were appointed for the ensuing year: *Chairman*, Mr. J. Judge, Wakefield; *Vice-Chairman and Treasurer*, Mr. Arthur W. Lupton (late secretary and treasurer); *Secretary*, Mr. G. C. Crummack; *Council*, Messrs. D. E. Creasey, P. Dobson, W. Eadie, J. Lancaster, F. Midgley, R. Swaits, J. F. Simon, C. Foster, H. Haw, E. S. Mitchell, G. A. Nelson and W. Kemp. The meeting discussed briefly the question whether the delegates to the British Pharmaceutical Conference should be given any definite instructions on the three subjects to be discussed at the Conference. Eventually it was decided to leave the delegates a free hand. In regard to the proposed scheduling of further drugs and poisons not at present so classified, the meeting expressed itself as entirely in agreement with this in principle. On the matter of pharmaceutical research, the meeting agreed with a suggestion by Mr. J. F. Simon, supported by Mr. H. Gilleggan, that if the Society was to undertake any further research it might well get down, first of all, to improving unsatisfactory formulas in the B.P. and the B.P.C.

Associations' Meetings

Edinburgh.—The third botanical excursion of the summer session of the Edinburgh Chemists', Assistants' and Apprentices' Association took place on June 5. A large company assembled and travelled by train to Kirkcaldy, where they were joined by local students. Under the leadership of Miss I. A. Purdie, Ph.C., the company proceeded to the Raith estate, of which Miss Purdie gave some interesting historical details. Upwards of sixty-five plants were collected and fully described. A vote of thanks was awarded to Miss Purdie. Mr. Blackie also expressed indebtedness to Viscount Novar.

London (S.W.).—At a meeting of the Council of the South-West London Chemists' Association and the South-West Metropolitan Branch of the Pharmaceutical Society, held on June 7, the following officers were elected for the ensuing year:—*President and Chairman*, Miss A. T. Borrowman; *Vice-Presidents*, J. E. Monaghan and J. E. Jones; *Treasurer*, F. G. Wells; *Secretary*, H. G. Tibbett; *Social Secretary*, J. E. Jones; *Sports Secretary*, J. E. Monaghan.

British Pharmaceutical Conference

Local Executive Committee, Dublin, 1929



[Photo]

[Davis

Left to right—Back row :—MR. DUGGAN, MR. LARKIN, MR. ROBINSON, MR. PITT, MR. BROOKE-KELLY, MR. ROCHE, MR. MCCORMACK, DR. RYAN, MR. BRADY, MR. KIERAN, MR. MAYNE.

Centre row :—MR. FIELDING, MR. BOYD, MR. DWYER, MR. BREAM, MR. SCOTT, MR. GANNON, MR. GORRY, MR. LISTON, MR. DOYLE, MR. KERR.

Front row :—DR. BOYD, MR. BRUNKE, DR. MITCHELL, MR. NUGENT, MR. FITZPATRICK, MR. HANNA, SIR THOMAS ROBINSON, MR. SMITH, DR. WALSH.

Reception Committee, Dublin, 1901



[Photo]

[Lafayette

Left to right—Back row :—MR. R. SIMPSON, MR. JOHNSON, MR. H. C. GRIMES, MR. PORTER, MR. T. WHITE, MR. F. GILL, MR. GOULDING, SIR THOMAS ROBINSON, MR. T. ENGLISH.

Front row :—MR. H. CONYNGHAM, MR. A. L. DORAN, MR. G. D. BEGGS, MR. J. BERNARD, MR. J. SMITH, MR. P. KELLY.

"Unstamped for Dispensing"

By Frank English

PHARMACISTS will hail with satisfaction the extension to the dispensing department and to doctors of an exemption in respect of certain medicines which are liable to medicine-stamp duty; a really troublesome feature of the incidence of the tax has been removed by a wise stroke of administration on the part of the Board of Customs and Excise, which evidently possesses wide powers in such matters. [See p. 718.—EDITOR.] Times have changed since the Acts of Parliament which control the patent-medicine tax were passed in the early years of the nineteenth century; and perhaps in no condition is this change so marked as in medical and pharmaceutical practice. The basic principle underlying the Medicine Stamp Acts is to impose a tax upon secret, quack or proprietary medicines. Further—and this is a factor often forgotten—the booming of the virtue of proprietary medicines is not confined to the label, the hand-bill and the general Press, but finds its place within the pages of the acknowledged medical Press, the issues of which are "registered as newspapers." To put the matter in plain English, the medical practitioner of to-day does prescribe and use proprietary medicines coming within the scope of the Medicine Stamp Acts, just as the ordinary public purchase them.

The concession now extended is an important instance of the official consideration for changed commercial conditions and the treatment of the sick. The year 1884 saw the original dispensing concession in respect to the relief from medicine-stamp duty, the conditions respecting which were as follows:—

(1) Permission must be obtained by the first vendor from the Board of Customs and Excise to supply, to chemists only, unstamped medicines for dispensing purposes.

(2) The label must be different in colour from the ordinary one, and

(3) bear the words "to be used for dispensing purposes only"; if sold to the public, a patent-medicine stamp, in accordance with the price of the article, must be affixed.

(4) No advertising matter must be included in the package.

(5) The preparation must not be dispensed unmixed with other ingredients.

By the retail pharmacist two important factors in the above concession were noted—the supply of these permitted unstamped preparations was restricted to him and his limitation was that any preparation could not be sold *per se*, but only mixed with another ingredient. The statement "for dispensing purposes," seeing that the preparation would be sold after dispensing, narrowed down the distribution to the pharmacist holding a licence. Doctors, not being persons who usually hold patent-medicine licences, were in consequence outside the concession, and unstamped preparations could not be sold to them for any purpose, a legal condition often noted in the columns of *THE CHEMIST AND DRUGGIST*. The new order, "in the interests of the public," to quote the words of the official communication, sweeps away a troublesome anomaly in the use of proprietary medicines; pharmacists everywhere should give the concession their cordial support by loyally abiding by the conditions which are imposed, while the medical profession as a whole will be relieved by the liberty to prescribe whatever is desired. The conditions as they now have effect are:—

(1) Manufacturers or first vendors will have to make special application stating the preparation which it is intended to supply under the revised concession and to furnish yearly returns showing the quantities of each preparation so supplied. This requirement is a reiteration of part of the 1884 concession, considerably strengthened by requiring a yearly return from manufacturers and from first vendors, thus bringing importers of foreign medicines into the same class as home manufacturers.

(2) Doctors and chemists are now permitted "free trade" in obtaining dutiable medicines, provided that—(a) the preparations are not accomplished by any recommendations or advertising matter, and (b) are labelled "to be supplied unstamped only when prescribed by a qualified medical man." Whoever has had any part in securing these extended concessions merits the whole-hearted thanks of pharmacy.

Settling in Business

By Fifty Odd

II—New or Old

THE young chemist, having made up his mind that he will start in business for himself, must decide upon the particular class of trade he is going to do before he can begin to look out for a shop. In ordinary circumstances he will be wise to stick to that class of business in which he has had the greatest experience. He will in most cases decide to purchase a business which is already established as a going concern, and he will be limited in choice by the amount of capital which he can lay out. He should not, however, dismiss without due consideration the possibility of opening a fresh business in a new neighbourhood. This course has its advantages, for one can within limits spend just as much or as little as one likes, on making the first venture, and have things in the shop arranged to suit one's own requirements. On the other hand, one has to be prepared to wait at least twelve months, and, generally longer, before the business will be a paying concern, and in the meantime capital must be drawn upon for living expenses. Generally, therefore, it is better to purchase an established business than to start *de novo*.

A word about fittings. In some old-established businesses mahogany fixtures are to be found. They are very good, and no doubt the original owner paid a lot of money for them. But the young man opening to-day does not want to sink much of his capital in fixtures. Stained wood can be both ornamental and serviceable, and while the fixtures—naturally—must be bought with the business selected, the young purchaser should resolutely refuse to entertain any proposition which includes an exorbitant amount for the fittings of the shop. In some cases the amount at which they are assessed would buy another business. Such offers should be left for the man who has plenty of money to lay out. There is no need to pay nowadays the price paid for fittings thirty years ago; and it is possible to pay a lot for the fittings in the shop, and then find that one must refit in order to make the business really presentable.

AN OCCASIONAL OPENING

It is sometimes possible to acquire, at a low figure, a drug store which has been carried on under unqualified management. If this is situated in an industrial neighbourhood where several Insurance practitioners are practising, Insurance dispensing may be added to the drug store business, and the two together may form a good nucleus for a qualified man to start with. Insurance dispensing does not pay a big percentage of profit, but it does provide a periodical cheque with which the demands of rent or rate collectors may be silenced.

Another point to be settled by the prospective proprietor is whether he is to invest in a lock-up shop or a shop with house attached. This often resolves itself into a question of comfort in the home or convenience in the shop. It frequently happens that to live over a shop entails tenancy of an old-fashioned dwelling lacking modern conveniences, and possibly out of harmony with the ideas of present-day housewives. Yet, to the young adventurer especially, the business must be the first consideration, and his choice will probably fall on the shop with a house attached. This entails considerations of leases and property, with some of which questions the writer will endeavour to deal later. In all such matters, however, the purchaser is strongly advised to consult a solicitor who will safeguard his interests in all legal matters.

LONDON POSTAL CHANGE.—An extension of the City of London postal area was officially announced on June 10. The following thoroughfares have been transferred from the E.1 postal area to E.C.3, and all correspondence for delivery in this area should bear E.C.3 at the end of the address instead of E.1: Aldgate, Aldgate High Street, Church Row, Colonial Avenue, Crown Place, Fleur de Lis Court, Gun Square, Hanover Court, Houndsditch, Minorities, Phils Buildings, Portsoken House, Sheppy Place, Tower Hill, 31 to 45.

Trade Notes

ARTHUR H. COX & CO., LTD., manufacturing chemists, Brighton, call attention to a number of their products in the coloured advertisement pages of this issue.

A TOOTH BRUSH OFFER.—British Labrosse Co., Ltd., Audrey House, Ely Place, London, E.C.1, are making in connection with Tibo tooth brushes an offer which is of interest to chemists.

SAUNDERS'S FACE POWDER.—J. Tozeau Saunders, Ltd., are placing on the market a new size of Bloom of Ninon. The wholesale distributors are Butler & Crispe, 80-2 Clerkenwell Road, London, E.C.1.

J. GROSSMITH & SON, LTD., Newgate Street, London, E.C., invite chemists to visit their stand at the Chemists' Exhibition, where there will be a comprehensive range of the company's well-known productions on view.

SURGICAL HOSIERY CO., LTD., Russell Street, Nottingham, have published a new catalogue of their products. Chemists will find this list with its numerous illustrations most useful, and a copy may be obtained on application.

CLOSED FOR STOCKTAKING.—Allen & Hanburys, Ltd., ask us to announce that while their factory and offices at Bethnal Green, London, E.2, are closed for stock-taking, on June 28 and 29, urgent orders can be dealt with either at Plough Court, E.C.3; Vere Street, W.1; or Wigmore Street, W.1.

SOUTHALLS' COD-LIVER OIL.—Southall Brothers & Barclay, Ltd., manufacturing chemists, Birmingham, inform us that their A1 cod-liver oil has again been certified fully active, both in respect of vitamin A and vitamin D, as determined by tests in the pharmacological laboratories of the Pharmaceutical Society.

ANNUAL OUTINGS.—The works and offices of John Bell, Hills & Lucas, Ltd., Tower Bridge Road, London, S.E.1, will be closed on June 15 for the purposes of the annual staff outing.—Wright, Layman & Umney, Ltd., 44-50 Southwark Street, London, S.E.1, state that their premises will be closed on June 22 owing to the annual staff outing.

RED DIAMOND INDIGESTION TABLETS.—Burgoyne, Burdidges & Co., Ltd., manufacturing chemists, East Ham, London, E.6, are offering some striking show material in connection with their Red Diamond bismuth indigestion tablets. The colour scheme involves a red diamond with white and black printing on a black ground. The tablets are heart-shaped.

POTTER & MOORE, LTD., Lavender House, Tyssen Street, Dalston, London, E.8, extend a cordial invitation to C. & D. subscribers to visit the company's stands at the Chemists' Exhibition, where there will be on view a comprehensive range of their toilet products. Some details of these are given in the advertisement pages in this issue, including Old English Mitcham Lavender, an advertising display screen in connection with Purple Lilac and a free gift scheme involving P. & M.'s Mitcham lavender compact.

ELSEWHERE in this issue will be found a coloured inset depicting a standard window display of Ava ultra-violet ray soap. Ava, Ltd., 32 Craven House, Charing Cross, London, W.C.2, state that the soap is manufactured under a patent which enables 10 to 20 per cent. of perfume to be incorporated. In this way is combined the refreshing property of eau de Cologne with a good complexion soap. The tablets, which are of toilet size and supplied in boxes of three, are thus delightfully perfumed, while the red and gold packing is well calculated to arrest attention.

J. G. FRANKLIN & SONS, LTD., Birkbeck Rubber Works, Birkbeck Road, Dalston, London, E.8, are the manufacturers of a variety of indiarubber appliances of interest to chemists. The Simple safety "cork," for example, is an article much appreciated by travellers. It is made of solid rubber with a flange which turns over the neck of the bottle after the stopper has been inserted. The Kenswim device for assisting non-swimmers to learn is another line which should be given prominence at this time of year, while at the same time attention can be drawn to the company's rubber ear plugs.

Trade Mark Applications

The figures in parentheses refer to the classes in which the marks are grouped. A list of classes and particulars as to registration are given in "The Chemist and Druggist Diary," 1929, p. 333.

(From "The Trade Marks Journal," May 22, 1929.)

- "SOLKOR"; for a medicine (5). By F. Coates & Co., Ltd., 56 Rawson Street, New Basford, Nottingham. 500,903.
- "MIXALE"; for medicinal chemicals (3). By F. L. Saunders, 255 Kingsland Road, London, E.2. 501,597.
- "PANTHESIN"; for medicinal chemicals (3). By Chemical Works Formerly Sandoz, 60 Fabrikstrasse, Basle, Switzerland. 501,811.
- "ZOMOGEN"; for a food preparation consisting principally of ox blood and red bone marrow (42). By Zomogen Food Products, Ltd., 63 York Place, Edinburgh. 494,366.
- "SQUEEZA LEMON SQUASH" with device including trico ("Squeeza" disclaimed and "Orange Squash" may be substituted for "Lemon Squash"); for lemon squash and orange squash (42). By H. W. Carter & Co., Ltd., 45 Wilder Street, Bristol. 500,596.
- "COW & GATE MILK FOOD" with picture of cow and gate; for milk foods (42). By The West Surrey Central Dairy Co., Ltd., Stoke Road, Guildford. 501,491. (Associated.)
- "VULCAN"; for liquid hydrocarbon preparations for removing tar from fabrics, etc. (47). By Vulcan Products, Ltd., Caddes Row, Brixton Hill, S.W.2. 499,296. (Associated.)
- Representation of Ace of Spades; for perfumery, etc. (48). By The Dubarry Perfumery Co., Ltd., Hove Park Villas, Hove. 502,045.
- "SONIA WHITE ROSE" with picture of girl's head and roses ("White Rose" and rose device disclaimed); for hair lotion (48). By J. & E. Atkinson, Ltd., 24 Old Bond Street, London, W.1. 497,477. (Associated.)

(From "The Trade Marks Journal," May 29, 1929.)

- "CELLODA"; for photographic films and plates (1). By W. H. Pease, 4 Old Quebec Street, London, W.1. 498,605. (Associated.)
- "ALUMINOID"; for chemicals (1). By W. Briggs & Sons, Ltd., 5 Cowgate, Dundee. 501,915.
- "TOMACO"; for chemicals (1). By W. Thomas & Co., Ltd., 1-3 Eastern Parade, Eastern Avenue, Ilford, Essex. 502,139.
- "ARMONSOL"; for all goods (2) and (3). By The Mond Staffordshire Refining Co., Ltd., 47 Victoria Street, London, S.W.1. 501,556/537. (Associated.)
- "TASCOL"; for a medicated condiment for animals (2). By The Agricultural Specialists, Ltd., 36 Rupert Street, Bristol. 501,732.
- "SHELL TOX" with device including shell and figure of man; for insecticides (2). By The Asiatic Petroleum Co., Ltd., St. Helen's Court, Great St. Helen's, London, E.C.3. 501,877/873. (Associated.)
- "TETRACOL"; for a veterinary anthelmintic medicine (2). By Burgoyne, Burdidges & Co., Ltd., High Street South, East Ham, E.6. 501,983. (Associated.)
- "CHINOSOL"; for medicinal potassium salt of ortho-oxiquinoline sulphuric acid (3). By Chinosolfabrik A.G., 42 Billbrookdeich, Billbrook, Hamburg. 483,001. (Associated.)
- "URICEDIN"; for medicines in crystal form for rheumatism, etc. (3). By J. E. Stroschein Chemische Fabrik G.m.b.H., Wienerstrasse 47, Berlin. B484,763.
- "OPACOL"; for medicinal chemicals (3). By May & Baker, Ltd., Church Road, Battersea, S.W.11. 499,708. (Associated.)
- "EPHADRALIN BRAND" and "PANSEDOL BRAND"; for medicinal chemicals (3). By H. R. Napp, Ltd., 3 & 4 Clements Inn, Kingsway, London, W.C.2. 500,267; 501,528.
- "HILLSKINGUE"; for medicinal chemicals (3). By D. Hill, 11 Harbour Terrace, Workington. 501,862.
- "GONGLYT"; for medicinal chemicals (3). By Raia D. Mawney & Co., 11 Broadway, Madras, India. 501,912.
- "VIBRATONE"; for massage apparatus (11). By J. Hallett, 47 Anselm Road, Fulham, London, S.W.6. 501,803.
- "CASCADA"; "THINK-O-ME"; "ZANOKA"; for toilet paper (39). By J. E. Watts, 28 Lincoln Street, Nottingham. 501,956/958/959.
- "KOMAL"; for cocoa and malt beverages (42). By J. Watson, 7 Hythe Road, Staines. 493,731.
- "RAYBAR"; for an emulsion food for patients before x-ray diagnosis (42). By Damancy & Co., Ltd., 41 High Street, Harrow-on-Hill. 500,162.
- "KALISTAROM" and "KALAROM"; for all goods (44). By Schimmel & Co., A.G., Schimmelstrasse 1, Miltitz, Germany. 498,043; 499,994. (Associated.)

Births

Notices for insertion in this column must be properly authenticated.

MAUDE.—At Bellefield House, Bowden, Cheshire, on June 7, the wife of Arthur Maude (general manager, James Woolley, Sons & Co., Ltd.), of a son.

Marriages

WALSH—JOHNSON.—At the Church of the Sacred Heart, Blackburn, on June 6, Joseph Walsh, chemist and druggist, to Josephine Johnson.

Deaths

HARRISON.—At 31 Sale Hill, Sheffield, recently, Mr. James Hughes Harrison, L.M.S.S.A., chemist and druggist, aged sixty-seven. Dr. Harrison was in business for several years in Sharrow Vale and Abbeydale Road. He obtained his medical qualification in 1906. The funeral, which took place at the General Cemetery, Sheffield, on June 5, was largely attended.

HARVEY-GIBSON.—In Glasgow, recently, Mr. Robert John Harvey-Gibson, Emeritus Professor of Botany in the University of Liverpool, aged sixty-eight. Professor Harvey-Gibson filled the chair of botany at Liverpool University from 1894 to 1921. He was an examiner to several universities and to the Pharmaceutical Society of Great Britain, and wrote several text-books.

RIDLEY.—At Newcastle-upon-Tyne, recently, Mr. James Farrage Ridley, chemist and druggist, aged forty-three. Mr. Ridley was at one time in business as a chemist at Rothbury. He served in the Forces during the European war, and on his return sold his business and went to Wolverhampton. He subsequently returned to Newcastle and became a partner in the firm of Wilson & Son, chemists. When at Rothbury Mr. Ridley was a member of the District Council. He is survived by a widow, a son and two daughters.

ROBINSON.—On May 25, Mr. James Robinson, Ph.C., Eden House, Newtown, Carlisle. Mr. Robinson passed the Major examination in 1870.

Personalities

MR. B. E. KENT (advertising manager, Allen & Hanbury, Ltd.) has been elected to the executive of the Incorporated Society of British Advertisers.

THE name of Mr. J. W. Todd, chemist and druggist, was inadvertently omitted from the list of unsuccessful parliamentary candidates in our issue of June 8.

MR. C. H. DAVIS (of the London representative staff of T. F. Bristow & Co., Ltd., soap manufacturers, Colindale, Hendon, London, N.W.9), has removed to 52 Bowes Road, Palmers Green, N.13.

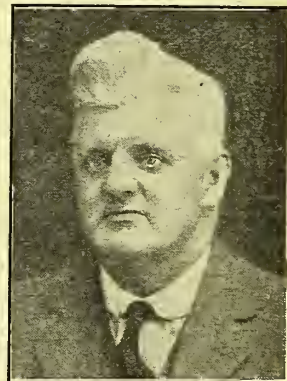
MR. A. R. OSBORNE, who has been appointed general manager of the Nyal Co., Ltd., Slough, was previously connected with the Dublin branch of the company's business. Mr. J. Lomax, who lately occupied the position, has returned to Australia.

DR. G. CLARIDGE DRUCE, F.R.S., represented the Botanical Society of the British Isles and the Ashmolean Natural History Society of Oxfordshire at the opening of Down House on June 7, when the house, so long the home of Charles Darwin, and its extensive grounds were handed over to the British Association by the generous donor Mr. G. Buckston Browne, F.R.C.S.

MR. J. T. WILLIAMS, chief pharmacist at the Cardiff Royal Infirmary, is resigning that office, after forty-nine years' service. His daughter, Miss Olive E. Williams, chemist and druggist, who has assisted her father for some years, is also resigning. Portraits of Mr. and Miss Williams appeared, together with accounts of their careers, in a recent issue of the "Western Mail."

MR. HAROLD DAVIS, B.Sc., Ph.C., has been appointed chief pharmacist to University College Hospital, London, in succession to Dr. C. H. Hampshire, secretary of the British Pharmacopoeia Commission. Mr. Davis was educated at Eccles Secondary School, and served his apprenticeship to Mr. J. P. Greenwood, Liverpool Road, Patricroft. He won the Manchester Scholarship of the Pharmaceutical Society in 1923, qualified in April 1924, and passed the Major examination three months later. Mr. Davis was the Pereira medallist in 1925. Last year he took his Bachelor of Science degree in the University of London, and was appointed a member of the board of examiners of the Pharmaceutical Society. He was lately head of the Pharmacy department of the Municipal Technical College, Swansea, and formerly assistant lecturer to Mr. Brindle at the Manchester School of Pharmacy.

MR. W. A. WHATMOUGH, B.Sc., F.I.C., Ph.C., is attending, by invitation, the summer meeting of the Society of Automotive Engineers at Saranac Lake, N.Y., U.S.A., on June 26, to read a paper on "Combustion-Chamber Design in Theory and Practice." Mr. Whatmough served his apprenticeship in pharmacy to a Bradford chemist, Mr. Edward Mackay, and was afterwards with Mr. C. E. J. Eynon, Ph.C., Harrogate. He passed the Qualifying examination of the Pharmaceutical Society in April 1903 and the Major examination three months later; in the following year he was the Pereira medallist of the Society. Mr.



MR. W. A. WHATMOUGH, B.Sc.

Whatmough was for some time on the editorial staff of THE CHEMIST AND DRUGGIST, and has been a frequent contributor to its columns as well as to the proceedings of the British Pharmaceutical Conference. His remarkable versatility in pure and applied science has led him to the study of chemical engineering problems, with the result that he is acknowledged by automobile engineers as the foremost authority on modern petrol engine design.

THE list of honours announced on the King's birthday include, in addition to those conferred on Mr. T. W. McMullan and Mr. W. S. Boyack (mention of which was made in our issue of June 8), the grant of a barony to Colonel Sir Edward Allen Brotherton, the chemical manufacturer, whose public services in the European war and benefactions to Leeds are well known; the award of a knighthood to Mr. Charles Hayward Bird, chemical manufacturer, Cardiff, to Mr. J. J. R. Jackson, chief veterinary officer of the Ministry of Agriculture and Fisheries, and to Mr. W. S. Jarratt, Comptroller-General of the Patent Office; the bestowal of the C.B.E. on Captain Albert Larking, secretary of the Early Closing Association; and the conferment of various distinctions on the doctors and nurses who attended his Majesty during his recent illness.

Information Department

INFORMATION WANTED

Postal or telephone information with respect to makers or first-hand suppliers of the undermentioned articles will be appreciated.

| | |
|---|---|
| D/106. Beachy Head chalk (for stomachic troubles) | S/106. Harrison's Kidney and Bladder Pills |
| L/106. Rexona ointment | M/106. Keraphen |
| N/115. Dr. West's tooth-brushes | W/106. Lighthouse brand absorbent cotton-wool |
| T/186. Galardi cyanide | M/106. Motoid (or Moloid) |
| M/116. Harvey's Blood Pills | |

Observations and Reflections

By Xrayser III

Once Again

the Pharmaceutical Society has a provincial president, in the person of one who has a long record of service on the Council, and is well known to pharmacists in various parts of the country. London has only furnished one president in the course of the last eleven years, so that country members have little to complain about in that respect. But the question of London or country ought not to arise in connection with the selection of the Society's chief officer. One likes to feel that the best man available is chosen every time, and continues in office so long as he can be prevailed upon to give the Society the benefit of his services. There is a fairly general feeling that the best man available has occupied the position for the past two years. The voting recorded by you (*C. & D.*, June 8, p. 696) indicates a marked lack of unanimity. Apparently fifteen councillors were in favour of change and six not so. It must be without precedent for so many as five blank papers to be returned, and this probably indicates that there had been preliminary conversations on the subject, but that those had failed to secure that unanimity which a former Editor of the *C. & D.* used to describe as deadly.

By-Laws

are to be altered by the Pharmaceutical Society (*C. & D.*, June 8, p. 697). This brings back to recollection occasions on which a certain liveliness was manifested in connection with proposals for the adoption of new by-laws. But there is hardly likely to be much excitement displayed about the by-laws now in question. Apart from those which are necessary in order to enable the Council to give effect to the Act of Parliament which authorises the acceptance of certificates held by those who have qualified in Northern Ireland, all else that is sought seems to be power to arrange certain domestic matters connected with the return of membership certificates and the payment of subscriptions in arrears. It is curious how, as time passes, weaknesses continue to reveal themselves in the provisions made years ago with the object of enabling the Society's business to be carried on properly.

Agreement

is evidently being sought between those responsible for the production of the next British Pharmacopœia and the new issue of the British Pharmaceutical Codex which will also be required in due course (*C. & D.*, June 8, p. 678). We are told that it is hoped to bring about an understanding whereby the Codex shall be truly supplementary to the Pharmacopœia, and contain "authoritative" descriptions of drugs and preparations which will not be included in the latter. It is gratifying to learn that such friendly collaboration now seems possible, and I shall look forward with much interest to further developments.

Meanwhile

we have to thank Mr. J. H. Franklin for supplying confirmatory evidence about the unsatisfactory nature of cheap substitutes for B.P.C. preparations, which the Ministry of Health wishes to saddle upon us (*C. & D.*, June 8, p. 703). It is distinctly unfortunate that such inferior preparations should have recognised B.P.C. names allotted to them, and I for one am disposed to resent the discrimination proposed to be shown by encouraging panel practitioners to prescribe cheap substitutes for their patients. This attempt should not be allowed to pass unchallenged, and panel chemists should be prompt to let the new Minister of Health and other prominent members of Parliament know that it is not with our approval such changes in formulas are being made. With such an unexpected change in the Government, the time is probably ripe for serious protest against the endeavour to compensate for an insufficient supply of money for National Health Insurance dispensing by advocating the use of inferior medicines for insured persons. It will surprise me if Mr. Bennett, the newly elected pharmaceutical member, does not hear from many panel chemists in the immediate future.

Terra Fullonica

is not at all a usual name for fuller's earth, and it is noteworthy that it occurs in a modern prescription (*C. & D.*, June 8, p. 704), because it is doubtful if it is included in any recent text-book of medicines. *Cimolia*, *terra cimolia*, *cimolia purpurescens*, *terra saponaria*, *smeectis*, and *smeectis saponaria* have all been employed; but *cimolia* and *terra cimolia* have been in more general use than the others from the time of Celsus down to the present day. Pliny has several references to this article, and mentions it under the names of *creta cimolia* and *creta fullonica*. The craft of the fuller dates from very early times, and the name of fuller (*fullo*) was used to designate the operator; it has survived in our English tongue. When it was transplanted here is not clear, although there is evidence, as shown in the citations in the *O.E.D.*, that fulling was carried on under that name in the eleventh century. One of the earliest instances of the use of the name "fuller's earth" for this substance is perhaps that already indicated in Philemon Holland's translation of Pliny's *Natural History*, where it is also given the synonym of Tucker's earth; tucker was a dialect word for fuller. Towards the end of his thirty-fifth book Pliny gives an account of the medicinal properties of the article. It was applied for the removal of "foule tetter," "offensive pimples and pushes," as well as for swellings of the feet. The manner of employing it for this last trouble strikes one as being worth a trial. The remedy takes this form:—"Incorporate [with the fuller's earth] sal-petre [aphronitrum], sal-nitre [nitrum-natron] and put vinegar thereto . . . this cure to be done in the Sunne and that after sixe houres, the medicine be washed off with salt water." The *cimolia alba* and *cimolia purpurescens* were official in the *Edinburgh Pharmacopœia* in the eighteenth century.

There are a Few People

who, from time to time, have boldly stated that when tempted to read a new book they resisted the temptation and read an old one. I had a very well-read friend who adopted this principle. There was more than a trace of cynicism in his composition, and, I fancy, his practice of this principle strengthened it. On the other hand, there are those who must be "up-to-date" and "a hundred-per-cent. efficient," and therefore eschew the books of yesterday altogether. For myself, I dare not neglect the new, and am glad of an excuse to turn to the old. The forthcoming meeting of the B.P.C. at Dublin is an excuse to turn over the pages of the report of the meeting held there in 1901, and to read the address then delivered by Dr. Claridge Druece, who still year by year adds labour to labour and honour to honour. The roll of Conference presidents carries the names of many famous men, but none more celebrated and beloved than his. That address is valuable, because of the masterly review given of the progress of botanical science during the nineteenth century. It should not be overlooked by pharmacists who desire to obtain a just estimate of botanical research during that period. The Conference meeting in 1901 is also of interest because of a paper read by a lady member of the Conference, who was, and I hope still is, a resident in Dublin. At that period ladies were certainly not in a majority in the pharmaceutical electorate. Miss Clinton's paper is entitled "Concerning *Cascara Sagrada*," and is written with knowledge and with a vivacity which commends even such a nauseous subject as *cascara*. It is a pity that writers of scientific papers as a rule offer us dry bones instead of theses pulsating with life. Miss Clinton exchanged words with Dr. Atfield over the specific name of the plant. Should it be *Rhamnus Purshiana* or *R. Purshiana*? Of course, he and the president adhered to the first, because it was so named by De Candolle. "She preferred the feminine gender." And rightly so! If De Candolle did not know that *Rhamnus* was a feminine noun there is, to my mind, good reason for making a correction, notwithstanding all the rigid rules governing botanical nomenclature. In such matters science should yield to humanistic culture.

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Editorial Articles

An Important Concession

WE have been in communication with the Board of Customs and Excise regarding the conditions under which dutiable medicines are dispensed in Great Britain. The following letter was received from the London Custom House on June 6:—

No. 14685/1927.

Custom House, London, E.C.3.
June 5, 1929.

SIR,—In reply to your letter of the 3rd instant, with reference to proprietary medicines dispensed on medical prescription, I am directed by the Commissioners of Customs and Excise to state that, hitherto, as you are no doubt aware, they have permitted the supply unstamped to chemists of preparations, liable to duty under the Medicine Stamp Acts, for use as component parts of medicines dispensed under a doctor's prescription. The conditions governing this arrangement are that special application must be made by the manufacturer in respect of each preparation; that the articles must be supplied to the retail chemist in a form different from the duty-stamped form in which they are sold to the public, the usual recommendations being omitted and a label affixed worded "supplied unstamped for dispensing purposes only and not for sale"; and that they must only be sold mixed with other drugs.

The Commissioners have now come to the conclusion that, in the interests of the public, it is desirable to extend this concession by authorising manufacturers to supply dutiable preparations unstamped either to chemists or to doctors, provided that the preparations are not accompanied by any recommendations or advertising matter, and are labelled "To be supplied unstamped only when prescribed by a qualified medical man"; and by allowing such preparations to be dispensed without being mixed with other drugs.

Manufacturers or first vendors will be required to make special applications stating the preparations which it is intended to supply under the revised concession and to furnish yearly returns showing the quantities of each preparation so supplied.

I am, Sir, Your obedient Servant,

The Editor,

THE CHEMIST AND DRUGGIST.

H. V. READE.

This letter from the Commissioners of Customs and Excise embodies a concession as regards medicine-stamp duty of considerable importance. The change, which is one in the administration of the law and not in the law itself, follows upon relaxations in the same direction which had already been officially allowed, and seems to be a logical outcome of the increased interest which the State in recent years has come to take in the national health. And it may be taken, too, as expressive of a modern tendency in legislation that the change should be made by administrative act rather than by formal legislative enactment. The practice has hitherto been to exempt from stamp duty, when supplied to chemists, medicines which would otherwise be liable to duty, provided they were to be dispensed as part of a medical prescription; but if any medicine was to be dispensed un-

mixed, it remained liable to the duty. The packet containing any such medicine had to bear a label with the words: "Supplied unstamped for dispensing purposes only, and not for sale. If sold in any other manner than as a component part of a medicine prepared in accordance with a prescription of a medical practitioner the seller will be liable to a penalty." The concession now granted applies in two directions. In the first place, the privilege of getting dutiable preparations unstamped from the manufacturers is granted to doctors as well as to chemists; and, secondly, unstamped preparations may be dispensed entire. It is provided that they are not to be accompanied by any recommendations or advertising matter, and that they must be labelled with the words: "To be supplied unstamped only when prescribed by a qualified medical man." Incidentally, the National Health Insurance payments for drugs will be diminished according to the extent to which these medicaments are prescribed unmixed. Subject to these limitations, any manufacturer or first vendor of a preparation which would be liable to medicine-stamp duty may apply to the Commissioners of Customs and Excise for permission to supply the medicine unstamped to chemists or to duly qualified medical practitioners. If the concession is desired in respect of more than one preparation, each should be specifically asked for in the application. Accounts are to be kept of the quantities of each of the preparations supplied, and a yearly return made of these to the Customs and Excise. This requirement of yearly returns seems reasonable, as naturally the Chancellor of the Exchequer, in framing his yearly Budget, will want to know to what extent the concession granted deprives him of revenue which would otherwise have come to him from the medicine-stamp duty remitted. It is impossible with the information at present available to estimate what this may amount to; but even assuming that the temporary increase in the stamp duty made in 1915 should become permanent, the loss to the Exchequer by the remission should, presumably, be outweighed by the benefit to the public health.

Rating Relief

DURING the next few weeks the special valuation lists which it has been necessary to prepare under the Rating and Valuation (Apportionment) Act, 1928, relating to industrial hereditaments will be "placed on deposit," for public inspection, by most local authorities up and down the country. These should be inspected by everyone interested to see if entries are in consonance with claim made. Those who are not satisfied with conclusions entered on lists, and those who have omitted to claim for inclusion and now wish to do so, must proceed by way of "objection" on forms provided by an assessment committee. For most who have made a claim there should be no difficulty, the chief point to remember being to watch for the "apportionment of values," as to amounts attributed to "industrial" and to "non-industrial" portions of the premises. With regard to the latter, these will embrace, generally speaking, those parts not subject to control under the Factory Acts, but the Ministry of Health also instructs that the "non-industrial" parts arise through the proviso to the Factory and Workshop Act, 1901, Section 149, which reads as follows:—

(a) any place within the close, curtilage, or precincts which is solely used for some purpose other than the manufacturing process or handicraft carried on in the factory or workshop; and (b) any room solely used for the purpose of sleeping therein is deemed not to form part of the factory or workshop.

In addition, further instructions have been issued by the Ministry, namely:—

Offices used by the general administrative, clerical or accounting staff, or research laboratories, drawing or designing rooms, caretaker's residence, showrooms, salerooms, etc., do not normally form part of the factory, nor does a recreation ground. On the other hand, courtyards, staircases, pas-

sages, hoists, lavatories, cloak rooms, rest rooms, a surgery and any other accommodation provided in order to comply with the requirements of the Factory Acts, warehouses or packing sheds, and tram roads, sidings and dock basins inside are part of the factory.

The Apportionment Act, 1928, specifically mentions that any place within the boundaries of the factory, even used for housing and maintenance of road vehicles, or as stables, although part of premises, shall not be deemed to be part of a factory. But if the premises scheduled as for "other purposes"—i.e., non-industrial—do not in value exceed 10 per cent. of the industrial portions, then the premises will be considered wholly industrial, and be subject to the 75 per cent. rebate for the whole "net annual value." If the 10 per cent. allowed is exceeded, then only that amount in excess of the 10 per cent. will not carry the 75 per cent. rebate. Also, if the premises do not exceed £50 in "net annual value," the premises shall be entered as wholly industrial, and so carry the rebate. For occupiers of obviously industrial premises, everything should be plain sailing, but for many a certain amount of confusion will arise. The Act defines an "industrial hereditament" as meaning "a hereditament occupied and used as a mine or mineral railway or as a factory or workshop." But the expression "industrial hereditament" does not include a hereditament occupied and used as a "factory" or "workshop" if it is primarily occupied and used for the following purposes:—

- (a) the purposes of a dwelling-house;
- (b) the purposes of a retail shop;
- (c) the purposes of distributive wholesale business;
- (d) purposes of storage;
- (e) the purposes of a public supply undertaking;
- (f) any other purposes, whether or not similar to any of the foregoing, which are not those of a "factory" or "workshop."

Certain instructions issued by the Ministry of Health may be briefly discussed. Regarding Proviso (a), the suggestion is made that if one or two rooms, or a shed or something similar at back of premises, is used as a workshop, then the premises would be considered as "primarily" used as a dwelling-house and exclusion would follow. But there is also an instruction that in the case of premises used as a dwelling-house, as a retail shop, or both, and partly registered as a factory or workshop under the Factory Acts, some regard should be taken as to description previously used in existing valuation lists as to the primary portion of the premises. As to Proviso (b), the expression "retail shop" includes any premises of a similar character where "retail business," including repair work, is carried on. The instruction, however, states that this does not necessarily mean that "repairing workshops" will be excluded, but that if small repairs are executed in connection with a retail shop where the retail business is the most important, then, as the premises are primarily used as a retail shop, they would be excluded. If the repairing workshop portion is the most important, presumably the premises would be included. Regarding Proviso (c), the instructions are rather vague, to the effect that if the premises are used for distributive wholesale business between manufacturer and retailer, with no manufacturing process carried on in the premises, then apparently they would be excluded. The suggestions applying to Proviso (d) are more explicit, as exclusion would only follow if premises are primarily used for storage—i.e., for storage as an end in itself, and not as ancillary to manufacture on the premises, as there is always considerable space required for raw materials "before" and for the finished article "after" manufacture in most businesses. Another instruction follows that premises not normally regarded as manufacturing premises, and admittedly used for packing and distribution, may, if the articles distributed are subjected on the premises to some process which is not merely ancillary to distribution, be held to be "primarily" used for that

purpose, and not "primarily" used for distributive purposes, and so be qualified for inclusion as an "industrial hereditament." The rules stress the fact that much reliance must be placed upon the word "primarily," and the Ministry adds that this word was used in the Act advisedly, as being more expressive than some such word as "mainly." The Ministry also instructs that it is impossible for any general rule to be laid down, and each particular hereditament must be judged solely on its own merits. An instruction, however, does state that, generally speaking, no premises which have no parts registered under the Factory Acts will be eligible for inclusion for the rebate; but it does not necessarily follow that this will be so, any more than that premises which are so registered will be included, as Provisos (a) to (f) may intervene. It cannot be emphasised too much, however, that the sole responsible body at the outset is the rating authority—a committee of the local council—who have wide discretionary powers, joined afterwards under this Act by another officer, the Revenue officer, who comes into the Act by reason that the Exchequer makes grants to the local authorities in consequence of the rebate allowed of 75 per cent. These two bodies must agree. Failing agreement, the assessment committee must sit in judgment, and in such an event occupier and the two bodies named will be notified of date and given the opportunity of calling witnesses. Anyone who has the slightest doubt about his premises should secure a pronouncement by proceeding by way of "objection," as previously explained, if no claim has been entered. The general definitions of "factory" and "workshop" are contained in the 1901 Act, Section 149. Broadly speaking, a factory means any premises where any manual labour is exercised by way of trade "... or ... incidental to making, altering, repairing, ornamenting, finishing of an article, or the adapting for sale of any article, where steam, water or other mechanical power is used." The expression "workshop" means any premises, room or place, not being a factory, where any manual labour is exercised by way of trade "... or ... incidental to the making, repairing, altering, ornamenting, finishing of an article, or the adapting for sale of any article, and to or over which premises, room or place the employer of the persons working therein has right of access and control." There is no doubt that the intention of the framers of the new Act is that a wider definition shall obtain than in the Factory Acts. By Section 69 of the Local Government Act, Section 3 (2) of the Apportionment Act is made to read as follows: "For the purposes of this Act, a hereditament shall not be deemed not to be occupied and used as a factory or workshop by reason only of the fact that the owner or occupier of the hereditament is the only person working therein, or that no other person working therein is in his employment." This, no doubt, is aimed at bringing in the one-man business worker, if other conditions make premises eligible for inclusion.

The Fall in Antimony

WEAKNESS of antimony within the past month or so has been rather striking and has formed the subject of a good deal of comment by dealers whose attitude has been more circumspect in considering new commitments on contracts for shipment. During the past twelve months (since the position was discussed in our columns on May 26 last year) there have been occasional spells of firmness incidental to a replenishment of stocks by users. Despite the fact that there has been no apparent pressure of selling by American importers, the situation in the long run has been under the influence of a deterioration in the statistical position in China under the continuation of a full production on an average of 1,400 tons per month. There has certainly been a lack of resistance by shippers under keen competition in the export markets, and it is not overstating the fact to

say that the general position is dominated by an over-production apart from the indication of a notable growth of output outside of China. The latter usually governs the world's markets, but the control exercised from that quarter is apt to become weakened as time goes on, especially if competitors continue to expand their operations, as has been the case within the last few years. A striking feature in the past year has been the remarkable increase in the Mexican production from 1,924 metric tons to 3,578 tons, which would represent fully one-fifth of the normal Chinese output. There is also a prospect of a certain output being secured from Canada where preparations are being made for the establishment of a smelting plant. It is not improbable that this outside competitive output has had something to do with the difficulty now experienced by Chinese interests in checking the downward movement which has taken place since the close of last year. In the case of Chinese regulus on the spot the decline amounts to about £4 10s. a ton, while offers for shipment have been made down to £31 c.i.f. U.K. or Continental ports. Even on the latter basis there has been no sign of any revival of interest among importers, who appear to be saddled with a certain accumulation of stocks whether of regulus or crude metal. There is in fact no reliable quotation for the latter and some of the dealers call it practically unsaleable at present. This gives some idea of the poor state of the market, and as there appears to be a good deal of metal offering on this side from Continental sources the position is critical for sellers. Market conditions are now in sharp contrast with the extreme scarcity which prevailed in the early months of the year 1926 when Chinese regulus on the spot commanded figures rather closely corresponding with English refined in the neighbourhood of £100 a ton. In little more than three years there has been a very severe drop, and the fact remains that, so far, this has not exerted the least influence on the progress of the world's output. The extent of the world's consumption varies a good deal from year to year. According to a reliable American estimate yearly requirements within the last five years have varied between about 18,000 tons and as much as 29,000 tons. Such a wide variation obviously accounts for the big fluctuations seen in recent years. The uses of pure metallic antimony are not many, but there is a wide field for the use of antimony alloys. Trade stocks have presumably been allowed to fall, but at the present low level consumption may be stimulated. America is normally absorbing roughly one-third of the world's production and is practically entirely dependent on foreign sources of supply as her output is negligible. The head of the U.S. Commerce Department's mineral division recently stated that manufacturers need have no anxiety as antimony is a metal which could be replaced by substitutes. American bonded stocks at the end of last March amounted to about 2,335 short tons—this 340 tons less than a year ago. The unshipped surplus in China may possibly be placed at anything between 3,500 tons and 4,000 tons, while it is impossible to get any reliable information thereon. Approximate fluctuations in the various grades during recent years are shown in the following table:—

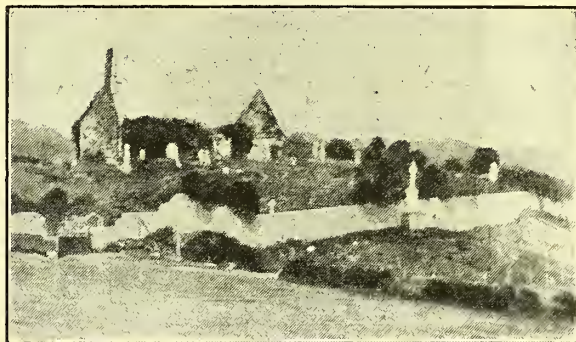
| Per ton | English best regulus | Chinese regulus | Chinese crude | Antimony (50 per cent.) sulphide ore |
|----------------------|----------------------|-----------------|---------------|--------------------------------------|
| | £ s. | £ s. | £ s. | Per unit s. d. |
| 1926 Highest | 105 0 | 100 0 | 65 0 | 8 6 |
| Lowest | 74 10 | 56 0 | 38 0 | 5 0 |
| 1927 Highest | 75 0 | 57 0 | 39 0 | 5 3 |
| Lowest | 64 10 | 47 0 | 36 0 | 5 0 |
| 1928 Highest | 64 15 | 46 0 | 37 0 | 5 0 |
| Lowest | 54 0 | 39 0 | 32 0 | 5 0 |
| 1929 Highest to date | 55 0 | 39 0 | 32 0 | 4 9 |
| Lowest | 52 0 | 34 10 | 31 0 | 4 6 |
| June 8 | 52 0 to 52 10 | 34 10 to 35 0 | 31 0 | 4 6 |

A Guide to Glendalough

Thursday, June 27, is the date arranged for this year's Conference excursion which is to be by charabancs to Glendalough. Tea will be taken at the lakeside. In the following pages the outward and homeward routes are described, together with notes on places of historical interest.

WITH such a wealth of picturesque scenery within easy reach of Dublin considerable difficulty must have been experienced in deciding on the itinerary for this year's Conference excursion. Even by confining the attentions of the visitors to co. Wicklow alone there still remains so many places of outstanding beauty and interest to enrapture members of the Conference—yet time, apart from other considerations, renders it inevitable that the desire to show all these delightful parts must be negated for the present. In selecting Glendalough as the Mecca of the excursion the Dublin chemists have chosen an idyllic spot—a secluded vale with two lovely lakes, seven ruined churches, a fine waterfall—embracing beauty, history and romance, reached and returned from through vistas of beautiful landscape. It is proposed that the excursion shall start from St. Stephen's Green, Dublin, and go via Leeson Street to Donnybrook, the famous village where broken heads during fairs were at one time as plentiful as the blackthorns which caused them. From here the route goes through the residential suburbs of Milltown and Dundrum, the latter nestling at the foot of the Dublin mountains. For the benefit of those who are of an inquiring turn of mind it may be mentioned that the high wall on the left encloses a lunatic asylum, though in the case of pharmaceutical passers-by attention is more naturally focused on the pharmacies, namely, that of Hayes & Hayes (Mr. F. C. Hayes, M.A., Ph.C., and Miss I. C. Hayes, Ph.C.) and that of Mr. M. Ryan. The ease with which the country may be reached from Dublin will be realised when on turning to the right, towards the rocky defile known as the Scalp, a fine view of the mountains is obtained. The next point of note to be reached is known as Sandyford cross roads, while above the Scalp, on Ballycorus (known locally as "Kitty Gallagher" or "Katty Gollogher"), may be seen the shaft of the old lead mines. Just beyond here the road forks, one turning leading to Stepside and the other to Glencullen, but before arriving at the latter village Kilboggan churchyard is seen in a field on the left. The white cross which will be noticed is a memorial to the members of the Republican army. Through Stepside and en route for the Scalp, the winding road is flanked by hedges, trees and woods. Sandyford Church is now seen on the right.

in the recently taken photograph. Continuing the journey, the road passes between a fine avenue of trees, through which a glimpse may be caught of some ruins on the right—presumably neither romantic nor historic, just the remains of an old mill. Shortly after the entrance to the Scalp is reached, and this affords a fine view of the two mountains known as the Big Sugar Loaf and the Little Sugar Loaf, respectively 1,660 feet and 1,120 feet in



KILBOGGAN CHURCHYARD

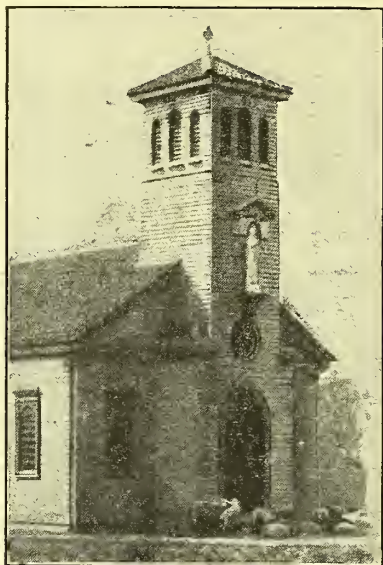
height. Leaving these mountains on the left, the road leads on to Enniskerry, a pretty little village built on the hillside, and at a distance reminiscent of the Swiss villages. Enniskerry belongs to the Powerscourt family (Powerscourt House, near by, is the seat of Viscount Powerscourt). This new model village was but a poor hamlet eighty years ago, when the owner of the property built a number of ornamental cottages, and since then the whole village has been so changed that it is now a favourite place with tourists, while it appeals to invalids on account of the purity and mildness of the air. Passing by the church, with its copper spire, the road winds down and along the Dargle Valley. The Glen of the Dargle is about two miles of wooded ravine of great beauty, charming at all times, but probably excelling in autumn, owing to the richer colouring given by greater variation of the tints of the foliage. Then, too, the Dargle itself as it streams its way through boulders and pebbles would be changed to torrents rushing along with a roar. The stream forms the boundary line between Lord Powerscourt's and Lord Monck's demesnes. The next village is Kilruddery. The route here passes the entrance to the Earl of Meath's grounds and continues along the winding road, leaving the Sugar Loaf mountains on the left and proceeding to the village of Kilmacanogue. From Kilmacanogue the course of the excursion lies through what is known as Rocky Valley, a wild, narrow glen, the barren sides of which are strewn with rocks, but broken here and there with patches of colour where cultivators have reclaimed the land. Journeying up the Long Hill, it will be noticed that the road becomes quite mauve in colour, due to the stone used in making it. Continuing along past Calary Bog and moorland—the Wicklow Hills are now seen on the right and in front—Roundwood is reached. It is from the Vartrey reservoir (on the left), situated near this pleasant little village in a wooded valley, that Dublin, Bray and other townships draw their water supply. The water is delightfully soft—as conferees will have already discovered before the date of the excursion—and well stocked with trout, but votaries of Izaak Walton should note that permission to practise the art in this area must be obtained from the Dublin municipal authorities. Owing to the growth of the population it became necessary, not long ago, to enlarge the reservoir, and a new cachement area has recently been constructed. Between Roundwood and Annamoe may be seen rhododen-



TO STEPSIDE AND GLENCULLEN

The countryside is dotted with labourers' cottages, each of which has half an acre of ground—and the rent ranges from about 1s. 6d. to 2s. 6d. per week! Attention is next attracted by a newly built church, near Kiltiernan, made of wood, and dedicated to "Our Lady of the Wayside"; the peace and quietness of the countryside is exemplified by the sheep at the church door, as shown

drons, gorse and barbery, while the walls along the sides of the roads are characteristic of Ireland—they are built simply by placing boulders on top of one another without "connective tissue." Shortly after passing Annamoe the

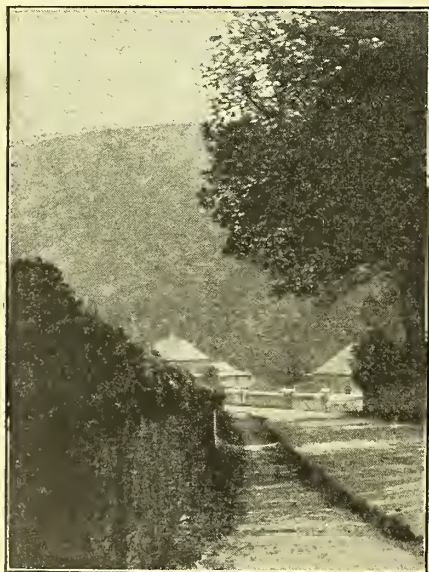


"OUR LADY OF THE WAYSIDE"

road goes through the little village of Laragh, touches the head of the broad valley of Glenmacnass, and so to

GLENDALOUGH.

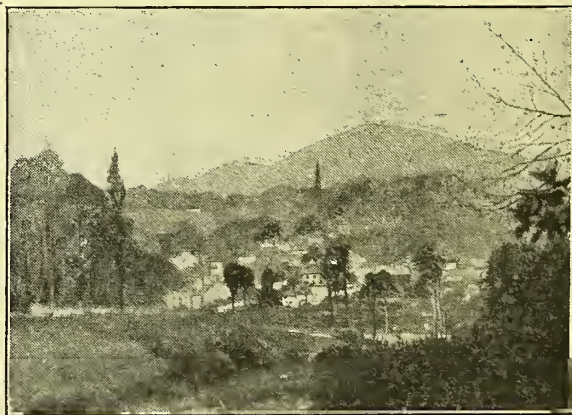
The view of the Round Tower, the ruins and the relics of St. Kevin, set in their lovely valley, is wonderfully impressive, and from the archæologist's standpoint Glendalough is probably the finest treasure house of Ireland. Of this part of the country Thackeray, in his "Irish Sketch Book," writes: "I don't know if there is any tune about Glendalough; but if there be, it must be the most delicate, fantastic, fairy melody that ever was played. Only fancy can describe the



ENTRANCE TO THE SCALP

charms of that delightful place. Directly you see it, it smiles at you as innocent and friendly as a little child; and, once seen, it becomes your friend for ever, and you are always happy when you think of it. Here

is a little lake, and little fords across it, surrounded by little mountains, and which lead you now to little islands where there are all sorts of fantastic little old chapels and graveyards; or, again, into little brakes and shrubberies where small rivers are crossing over little rocks, splashing and jumping, and singing as loud as ever they can. . . . There are seven churches, whereof the clergy must have been the smallest persons and have had the smallest benefices and the littlest congregations ever known. As for the cathedral, what a bishoplet it must have been that presided there. The place would hardly hold the Bishop of London, or Mr. Sydney Smith—two full-sized clergymen of these days—who would be sure to quarrel there for lack of room, or for any other reason." Of the stories and legends connected with both the valley and the district around the native guides will discourse by the hour. Days could be spent inspecting the ruins, boating on the lake, visiting the Pollinass Waterfall, and exploring the mountains at the upper end of the lake. Except for the side next the Lower Lake, the Upper Lake of Glendalough, which is the centre of attraction for most visitors, is encircled by mountains, on the south side being Derrybawn (1,567 ft.), Mullacor (2,176 ft.) and Lugduff (2,148 ft.), while on the other side is Camaderry (2,296 ft.), Glendassan and Brockagh (1,833 ft.). Glendalough is one of the most important groups of early Christian remains to be found in Ireland. The patron saint and founder is St. Kevin, and it is



ENNISKERRY WITH THE SUGAR LOAF MOUNTAINS

recorded that there the saint lived as a hermit, first in a cave and later, when the peasants discovered his sanctity, in a little cell and oratory they built for him. His disciples, however, became so numerous that ere long he erected a monastery which was the beginning of a religious centre that eventually became a diocesan see and a cathedral city. St. Kevin died in 618. For about five hundred years the city was one of the most important ecclesiastical and educational settlements in Ireland, but the Danish invasions in the tenth century, when it was repeatedly plundered, commenced the ruin which the destruction by the English forces in 1398 finally completed. From that time it ceased to be inhabited. Even on a bright summer's day the Upper Lake has a somewhat sinister appearance, and possibly it was this which moved the Irish poet, Thomas Moore, to write:—

By that Lake whose gloomy shore
Skylark never warbles o'er,
Where the cliff hangs high and steep,
Young Saint Kevin stole to sleep.
"Here, at least," he calmly said,
"Woman ne'er shall find my bed."
Ah! the good Saint little knew
What that wily sex can do.

It is generally considered that Moore, availing himself of poetic licence, followed popular legends rather than history, for it is only according to the former that Kevin fled to Glendalough because he was beloved by the beautiful Kathleen, and, fearing to fall, hid

himself in the cave above the Upper Lake. Nothing daunted, the maiden tracked him across the mountains, and when the Saint awoke one morning he found Kathleen bending over him. The rest of the story, as told by Moore, is:—

Sternly from his bed he starts,
And, with rude, repulsive shock,
Hurls her from the beetling rock.
Glendalough! thy gloomy wave
Soon was gentle Kathleen's grave!
Soon the Saint (yet ah! too late)
Felt her love, and mourned her fate,
When he said, "Heaven rest her soul!"
Round the Lake light music stole;
And her ghost was seen to glide,
Smiling, o'er the fatal tide!

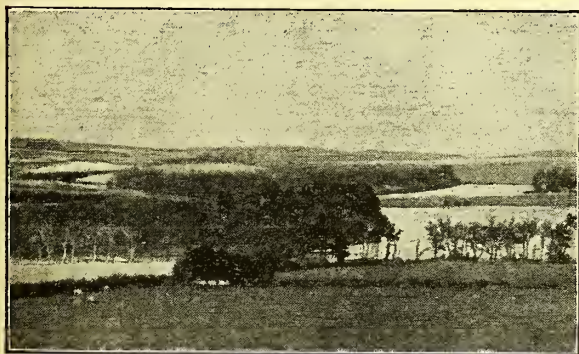
The Lower Lake is a small shallow sheet of water of a softer and more sylvan beauty, while (to revert for a moment from the past to the present) between the two lakes will be seen a Government plot of about half-an-acre on which are growing Douglas fir trees. These came from Scotland as seedlings and are to be used for replanting the hillsides which were denuded during the world war.

The ecclesiastical remains at Glendalough have for some years been under the care of the Board of Works. It is obviously impossible in the time at their disposal for members of the Conference to inspect them all, but in the following notes are given such details as are likely to be of general interest:—

Tempul-na-Skellig, or Church of the Rock.—This is the earliest site mentioned in the life of St. Kevin, and is in a slight hollow between two cliffs on the south side of the Upper Lake. It was the first church erected in the valley, being built for the saint by the people who first flocked to hear him preach.

St. Kevin's Bed.—This is a short distance to the east of the Church of the Rock, and tradition states that this is the cell first occupied by the saint as his hermitage. St. Lawrence O'Toole, who was Abbot of Glendalough, and in 1162 made Archbishop of Dublin, frequently returned here to spend the Lenten season in fasting and prayer.

Reefert Church.—Near the Polonass Brook is Reefert Church. This was the burial place of the O'Tooles and the even more ancient clans who were chieftains of the district. The graveyard surrounding it contains some interesting old crosses and ancient tombstones. The church is believed to have been built for St. Kevin by his followers, with a view to drawing him back from his seclusion to their midst again, after he had retired



A VIEW OF THE RESERVOIR

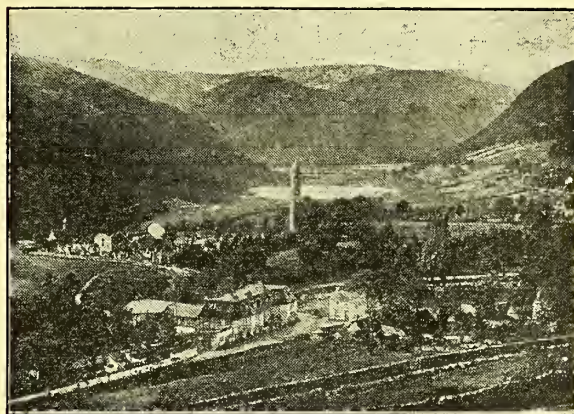
to his cell subsequent to founding the monastery down the valley. The church has been much restored by the Board of Works.

St. Kevin's Cell.—A short distance along the road past Reefert Church is St. Kevin's Cell. This consists of the remains of a roughly circular stone hut, and is situated on a cliff overhanging the lake. This was probably the hut stated in his life to have been built in a narrow place between the mountain and the lake.

The Caher.—Near the eastern shore of the Upper Lake are the remains of a stone fort very similar in

construction to those in the West of Ireland. This Caher and the circular stone huts, of which there are traces, are evidence of a very early occupation of the valley.

St. Mary's Church.—This is supposed to be the earliest church erected in the lower part of the valley, and is dedicated to the Blessed Virgin. Some maintain that the saint is buried here, but in what part of the enclosure is not known. Others consider he is buried beneath St. Kevin's Cross, situated to the south of the Cathedral.



Photo]

THE VALLEY AT GLENDALOUGH

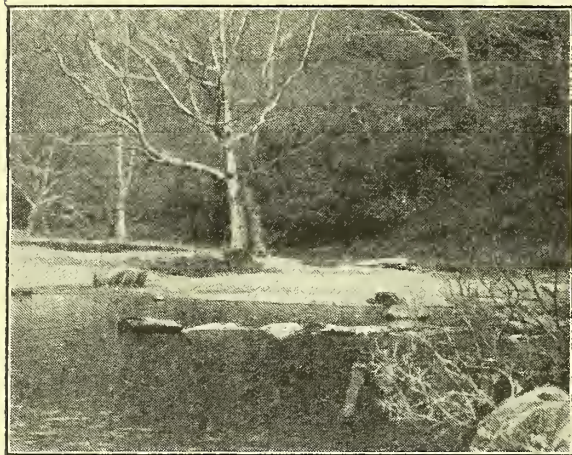
[Lawrence

The Round Tower.—This tower, situated to the north-east of the Cathedral, is 110 feet in height and 52 feet in circumference at the bottom, tapering slightly towards the top. Its purpose is uncertain, some opinions stating such towers were used as watch or bell towers while others believe they were storehouses for the sacred treasures of the churches in times of danger. The latter seems the more probable theory, as these towers are always found near old churches or monasteries, and their doors are always high above the ground, in this particular instance ten feet. Some years ago the tower was struck by lightning and the roof damaged, but it has been restored with the original stones. The date of its construction is unknown, but it is believed to date from about the same time as the Cathedral, i.e., the 6th century. The masonry is chiefly of the mica slate of the district interspersed with blocks of light grey granite. It faces south-east, which is towards the Cathedral door.

The Priest's House.—This structure is so called from having been formerly used as a burying place for the clergy of the district, whose graves are within. It has been suggested that St. Kevin himself lies among them. A recess in the west wall is locally known as the "Wishing Stone." The boundaries of the ancient cemetery for which this building was the mortuary chapel are still visible.

St. Kevin's Church, commonly called "St. Kevin's Kitchen."—Leading authorities consider parts of this church date from the period of the saint whose name it bears. It is recorded that the church was burnt in 1163, but its final ruin did not occur until 1398, when it was again destroyed by fire. It has remained a ruin ever since, except for a short period during the last century, when, the present modern church not having been then erected, it was used for religious services by the parish priest of Glendalough. The church is probably the most interesting building, as in addition to the ruin itself it contains a number of memorial slabs and crosses. There are also specimens of the stones used for grinding grain. As regards the church, the features which call for mention include the slope of the walls from the perpendicular and the construction of the roof, which is formed of overlapping stones set horizontally so as to make, internally, an arch, the stones in the centre of the arch being placed as though the joints radiated from a common centre. The height from the sill of the west door to the under side of the vaulted roof is 20 feet 6 inches, and at one time a wooden floor existed just over half way up. There is no trace of this except the four beam holes in

each of the two side walls. The apartment thus formed was lighted by a window in the east gable, and the only means of entering appears to have been by a ladder and



ALONG THE LAKESIDE, GLENDALOUGH

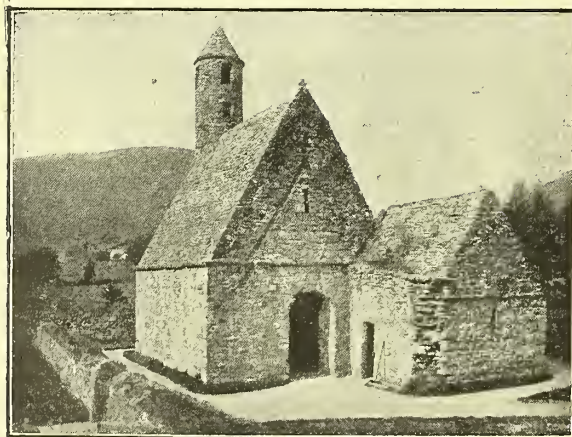
through a hole. There is a small opening in the vaulted inner roof giving access to the tower, which was used as a belfry.

St. Kieran's Church.—This lies to the east of and near by St. Kevin's Church, but its existence was apparently forgotten until its discovery by the Board of Works in 1875. Little remains but the foundations and a few feet of superstructure.

The Cathedral.—This is the largest of the ruins of Glendalough. The Cathedral was dedicated to SS. Peter and Paul, but ceased to be used as a cathedral when the diocese was united with that of Dublin in 1214. The stonework indicates several rebuildings at different dates in the church's history.

The Gateway was the chief entrance to the City of Glendalough, and is the only one of its kind now in existence in Ireland. There was originally a second storey, probably for use as a guardroom. In the wall of the passageway outside the second arch is a rectangular slab of schist with a crudely carved cross upon it. This is believed to have been the Sanctuary cross where the wrongdoers from justice could claim the protection of sanctuary from condign punishment.

Trinity Church.—It is recorded this church was founded by a disciple of St. Kevin in the 7th century,



Photo]

ST. KEVIN'S CHURCH

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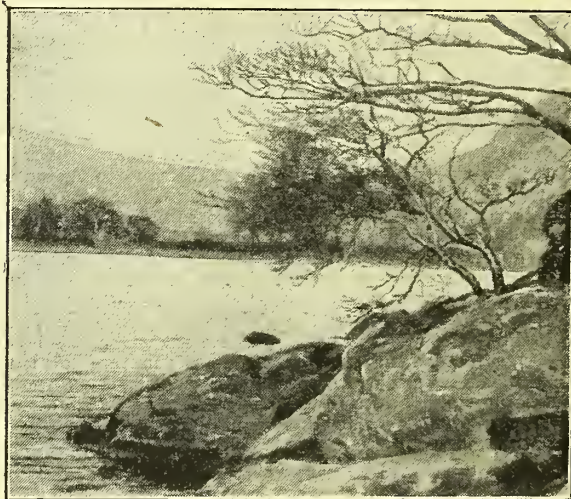
but opinions differ as to whether the existing ruins contain any part of the original building. It is much the same size as Reefert Church, and its erection probably dates from about the same period. This ruin is

interesting, as it at one time had a round tower about sixty feet high standing against the west gable of the church, thus marking a transitional period in the evolution of the Round Tower from the time when such towers were detached structures to when they were incorporated with the body of the church. The tower fell during a storm in 1818.

Monastery or Priory of St. Saviour.—This is the latest of the ecclesiastical buildings in the valley, as it is said to have been founded by St. Lawrence O'Toole. It is situated on the south bank of the river three-quarters of a mile east of the cathedral. Before it was taken over by the Board of Works it was in a great state of ruin, and, although now it has been reconstructed as far as possible, still some doubt remains as to the correct placing of many of the stones. This church was once the centre of a large religious settlement. A number of loose stones belonging to the church, and found after its reconstruction, are now preserved in St. Kevin's Kitchen.

THE HOMEWARD WAY

Leaving Glendalough on the return journey the course taken is the same as that already traversed only so far as Laragh, after passing which village the route turns to the right towards the lovely Vale of Clara, where the road runs through woods and beside the Avonbeg River, a famous trout stream. The next place of interest is



THE UPPER LAKE, GLENDALOUGH

Rathdrum, once the centre of a flannel-making industry. The road then turns to the left and runs past Avondale, the one time residence of Charles Stewart Parnell, which is now used by the Department of Agriculture for forestry purposes (a better view of the building is obtained a few moments later after passing round the bend). A little further along the road crosses a railway bridge over a single-line track, and about here it will be noticed that the country is dotted with pokes—these are in connection with the Shannon hydro-electric scheme, which it is hoped will usher in an era of prosperity for the Free State. The next village to be reached is Glenealy, where the timber mills and the stacks of wood there seasoning cannot be overlooked by the most casual observer, and after that Rathnew. Attention may here be drawn to the smooth tar macadam roads which are traversed practically the whole of the journey. After leaving Rathnew the route to be followed goes past Mr. Walpole's gardens, where tropical plants grow in profusion out of doors. There are here many rare and lovely trees, ferns and flowering plants, especially rock and water plants, as the river runs through the garden. Permission has to be obtained to visit the gardens, but members of the Conference who are particularly keen on horticulture should endeavour to make arrangements with a member of the Royal Horticultural Society, who are now the only persons admitted freely. Close by is the village of Ashford. All along this part of the route the country is most beautiful; there

are lovely views of the hills, straw-thatched cottages, with hedges and trees along the road on either side. Shortly after passing Ashford, Newcastle sanatorium comes into view. This institution is situated in perfect surroundings—with the sea on one side and the mountains on the other. When the next village, Newtownmount-Kennedy, is reached amateur gardeners should keep an eye open for the school, opposite which there are some orange-coloured cottages with a rose screen, which should be magnificent in June. Again, shortly after passing through some more woods, the breaks in which afford some beautiful views of mountain scenery on the left, the road bends to the right, and then can be seen some old cottages covered with *Clematis Montana*. The route then proceeds through the Glen of the Downs back again to Kilmacnogue. The Glen of the Downs, which is a famous picnic resort for Dubliners, is about a mile and a half long. It is formed by two hills, the steep sides of which are covered with oak trees. Along here the Sugar Loaf mountain (which was passed on the left on the outward journey) comes again into view, showing between the tops of the trees, and the relative position it occupies as this part of the route is traversed enables the *voyageurs* to appreciate the winding nature of the road along which they are travelling. The course of the excursion is then directed towards Bray (not Enniskerry), but only passes through the outskirts of this popular holiday resort. By turning

Along the west side of the Square are a number of notable buildings, including the National Gallery, Leinster House (the seat of the Government), in front of which is the memorial to Michael Collins and Arthur Griffiths. The Government buildings were formerly the Royal College of Science for Ireland. On turning to the right, by the pharmacy of Mr. J. O'Reilly, the excursion is brought to a conclusion at St. Stephen's Green.

The photographs illustrating this article were taken specially for THE CHEMIST AND DRUGGIST.

Summer Outings

Medway Branch visits London

A PARTY of members of the Medway Branch of the Pharmaceutical Society and friends recently left Gillingham by a private omnibus and proceeded to London by way of Maidstone and Wrotham. The pharmacological laboratories were first visited, and an interesting hour was spent there. The party afterwards witnessed part of the Royal Tournament. The chairman (Miss Clothier) thanked all present for what they had done in helping to make the outing such a success. A cordial vote of thanks was awarded to Mr. Farrow, who had been responsible for the arrangements.

Leeds Chemists at Bolton Abbey

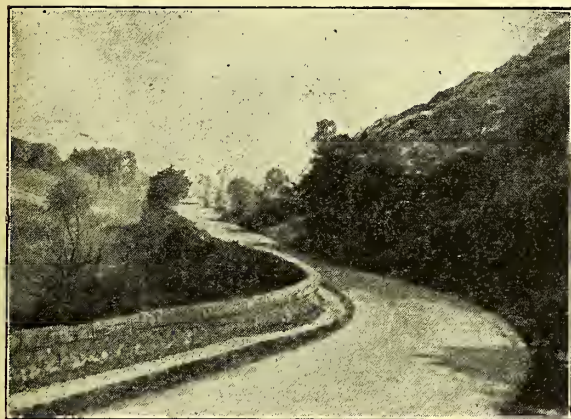
THE first summer excursion organised by Leeds chemists since the war was held on June 5, when a party of forty-four ladies and gentlemen, under the auspices of the Leeds and District Branch of the Pharmaceutical Society, journeyed to Bolton Abbey and woods. The gathering was of an informal nature. Individuals were responsible for their own transport to and from Leeds, but the bulk of the party travelled in the private cars of various members who offered seats. The remainder travelled by train and joined the others in the woods. The afternoon and evening were spent in inspection of the Abbey ruins and the new excavations.

A Meggeson Event

ON June 8 the staff of Meggeson & Co., Ltd., New Church Street, London, S.E., met early at the works and started in a fleet of motor-coaches for Brighton. The route was via Epsom, Leatherhead, Dorking, Holmwood, Horsham, Southwater, Ashington, Findon and Worthing. Luncheon and tea were served at the Grand Hotel. The toasts were "The Firm," proposed by Mr. W. G. Kay (secretary), and responded to by Mr. H. Vincent Dodd (managing director); and "Our Guests," submitted by Mr. R. Dodd and Mr. R. C. Feather, and replied to by Mr. H. A. Green (works manager). The arrangements made ensured one of the most enjoyable functions in the history of the company.

Newbery's Staff Outing

ON June 8, the annual staff outing of Francis Newbery & Sons, Ltd., London, E.C., took place, the venue this year being Henley-on-Thames. The start was made from Paddington, whence the train was taken to Windsor, where a party of some 200, including Mr. W. J. Williams (director) and Mrs. Williams, embarked on the "Mapledurham." A break in the river journey was made at Cookham; lunch was taken at the Ferry Hotel, the party being joined here by Mr. C. Phillips (director). After lunch, the journey was continued up the river to Henley, where the party was welcomed by Mr. Arthur Newbery (chairman), who presided at the tea taken in Henley Town Hall. In a very happy little speech, he expressed pleasure at being able to welcome the staff and to thank all for their loyalty and good work. Mr. E. G. T. Loyley (director and manager of the Cardiff branch), who had motored up accompanied by Mr. W. H. Edwards, was given a warm reception, as was Mr. W. E. Bailey, who, on behalf of the staff, thanked the directors and shareholders for their generous help. After tea the party proceeded down the river to Marlow, where the train was taken for Paddington.



THE SMOOTH WINDING ROAD

off to the left before the town is reached, the route passes by the Dargle Road across the river, and here again there are to be seen a number of poles for carrying the cables to be employed in connection with the Shannon electricity scheme. Then along the picturesque valley of the Dargle River. A good view of the town of Bray may be obtained on the right, but the course of conference is to the left—and so to Dublin. It must not be thought, however, that places of interest end at this point, for such is far from being the case; for instance, those who are habitually motorists should note that along here the road is under test, one half being made of concrete and the other of tar macadam. Then along the main Bray-Dublin road comes the pretty golf course of Woodbrook. The next villages on the journey are Shankill—on passing through which a delightful view of Killiney, the Naples of Ireland, may be obtained—and Cabinteely, while on bearing to the right after passing the latter, the way leads to Dean's Grange and Blackrock. Here, on the left, is Blackrock College, a famous educational establishment founded in the sixties by French and Alsatian priests, also an excellent view of Dublin Bay, Howth and Clontarf is obtained. Continuing, the course to be taken leads through Booterstown, Merrion and on to Ballsbridge, passing on the left the Masonic schools and the premises of the Royal Dublin Society, where Ireland's greatest festival, the horse show, is held. On the right are the bloodstock yards, where yearlings—future Derby winners—are sold. Then along Northumberland Road, a fine residential district, into Lower Mount Street (passing en route the offices of the Pharmaceutical Society of Ireland), which leads to Merrion Square—Dublin's Harley Street.

Merchandise Marks Act

MARKING SCIENTIFIC GLASSWARE

(Continued from C. & D., June 8, p. 675)

The Committee opened its inquiry into the application for a marking Order in respect of scientific glassware on June 3. This application is made by the British Chemical Ware Manufacturers' Association and the British Lamp-blown Scientific Glassware Manufacturers' Association. Opposition was put forward by the China and Glassware Section of the London Chamber of Commerce, the British Laboratory Ware Association, and other groups of British manufacturers.

Mr. R. MORITZ, K.C. (who appeared, with Mr. D. Baker, for the applicants), pointed out that scientific glassware is already chargeable with Key Industries Duty under Part I of the Safeguarding of Industries Act of 1921. The application was to effect that silica ware used for scientific purposes should also be included. Mr. Moritz recalled the difficulties which arose at the beginning of the late war, and outlined the progress created in this country which could now make all scientific glassware. British firms who were making this glassware had been so crippled by the immense capital expenditure involved that it was necessary to safeguard the industry. At present makers in this country are able to produce in sufficient quantities to meet the demands of the scientific people of the country. Reference was also made to the grave complaints which were made directly after the war as to the quality of glassware. A committee had found that the glassware of which complaints were made consisted either of glass of pre-war "vintage," or glassware imported from the Continent and thought to be British. The genuine post-war British glassware was found to be good. It was pointed out that nearly all the British manufacturers marked their goods, as did also the Continental manufacturers of high reputation, and that the marks could be applied quite simply by sand-blasting, engraving, acid etching, or enamelling, at a cost which was absolutely negligible. In asking that the glassware should bear the marks at the time of importation, he said that having regard to the fact that they were already subject to examination by the Customs authorities, by reason of the import duties imposed, it followed that the difficulties of enforcing an import order would be very much lessened. A list of articles, the origin of which could best be indicated on the containers, is to be submitted, glass prisms and lenses being exempt. Mr. Moritz stated that the value of the scientific glassware imported in 1928 was about £70,000, excluding tubing and rod. Re-exports amounted to less than £7,000, but protection was afforded by the Act with regard to re-exports.

In a reference to one of the opponents (the British Laboratory Ware Association), counsel said his information was that a very large bulk of the glassware sold is now of German and Czecho-Slovakian origin. There was a strong wish among scientific men to use British glassware, and the circumstances he had mentioned emphasised the necessity for marking. With regard to tubing and rod the applicants urged that marking was not impracticable, as had been suggested. Regarding a suggestion that there was no manufacture of microscopic slides and cover glasses in this country, and that they could not be made here, he said that they are made here on a considerable scale. It would be impossible to acid-etch or sandblast cover glasses, however, and the indication would have to be made on the containers. In reply to the suggestion that the making of a large number of articles which are now made here from foreign tubing and rod would be lost to our workers because it would not be possible to manufacture them at an economic price from British tubing and rod, he said that a large quantity of tubing and rod is made in this country at competitive prices. To meet the suggestion that the marking of some tubing and rod would be impracticable, he said the applicants would be content that the marking Order, if made, should not extend to tubing and rod of an external diameter of less than $\frac{1}{4}$ in., except that the wrappers should be marked. They would also be content to withdraw the application that x-ray tubes should be marked.

Evidence on behalf of the applicants was then given by Mr. DOUGLAS BAIRD (Baird & Tatlock (London), Ltd., chairman of the British Chemical Ware Manufacturers' Association and a member of the British Lampblown Scientific Glassware Manufacturers' Association), who said that all the graduated ware sold by his company was made by them from British glass, but they did import from abroad certain articles which so far they had been unable to obtain in this country. The number of workers employed in the scientific glassware industry in this country was approximately 3,000, and the gross turnover of the manufacturers was about £300,000. The cost of indicating origin by means of acid-etching did not exceed sixpence per gross of articles; that figure included wages, the value of the stamp and acid, and a very small percentage of breakages. It was extremely difficult to distinguish British and foreign tubing, and there was a very genuine desire to buy British glassware. It was agreed, in reply to a question by the chairman, that it would be difficult to define "experimental" apparatus, as had been suggested by the opponents, because some of the articles which were included might be used also for general scientific work on the bench. Mr. Baird, commenting on the suggestion that it was not economical to manufacture apparatus from British tubing, said that he bought British tubing, which was quite satisfactory and of lower price than the foreign.

EVIDENCE BY SCIENTISTS

The views of the scientists were given in evidence by Dr. M. W. TRAVERS, F.R.S. (Professor in the University of Bristol), Dr. W. E. S. Turner, O.B.E. (University of Sheffield), and Dr. F. A. Freeth (Chief Research Chemist, Imperial Chemical Industries, Ltd.), all of whom testified to the desire of scientific workers to use British glassware, and the difficulty, even on the part of experts, of distinguishing between British and foreign glassware.

Dr. TRAVERS expressed confidence in the ability of British manufacturers to produce glassware, and added that British glass tube had acquired a very high reputation. From his experience (he had been associated with Duroglass, Ltd.), the marking imposed no vexatious obligations on the manufacturers and in no way injured the goods. He also emphasised the necessity for maintaining continuity of employment in the industry in this country, because of the highly skilled nature of the work involved, and in this connection added, that without the assistance of Belgian glass blowers (who were skilled in the making of this sort of glassware) at the beginning of the war the working out of the process for making Duroglass would have taken much longer than it had done.

Dr. FREETH added that, being unable to find the glass-blowers he required in this country, he had imported two Dutchmen, who were at present engaged in the training of boys. The training occupied five years.

Dr. TURNER said that he might distinguish British from foreign glass by chemical analysis because he could keep in constant touch with British manufacturers, but an ordinary worker in chemistry or physics could not. He agreed that there were facilities for meeting the demands for tubing in this country, and a very wide range of qualities was produced. He believed, however, that during the last three or four years the competition from the Continent had been very considerable.

The cross-examination of Mr. Baird was then proceeded with, and it was pointed out by Mr. MACASKIE (counsel for the opponents) that inasmuch as the number of workers said to be engaged in the industry here was 3,000, and the value of the output was £300,000, it looked as though each produced only £100-worth per annum, as an average. Mr. Baird replied that the workers referred to were not necessarily all engaged in the manufacture of scientific glassware for the whole of their time, but were engaged sometimes on other classes of work. Nevertheless, their services were essential to the production of scientific glassware. He agreed that if the glass parts of articles consisting partly of foreign glass and partly of other material were marked, the buyers might conclude that the parts other than glass were foreign also, whereas they might be British, though the glass parts might represent only twenty-five per cent. of the value of the whole. On the other hand, the glass parts were often the most valuable parts of composite articles.

At the opening of the hearing on Tuesday, June 4, Mr. Moritz put in a list of articles which the applicants said were too small to mark individually and which they suggested should be marked on the container. The articles were blowpipe jets, glass eyes, tubing under five mm., arsenic tubes, ampoules, glass cells, vaccine tubes, hollow prisms, microscopic cover glasses, burette jets and glass valve phlanges and test tubes up to six inches in length and up to five-eighths of an inch in external diameter.

Mr. MACASKIE continued his cross-examination of Mr. Douglas Baird at some length.

Dr. LESLIE HERBERT LAMPEN, F.I.C., chief chemist of J. Lyons & Co., Ltd., was then called. His firm employed 97 chemists and were large buyers of scientific glassware. He had found a desire among such people to use British scientific glassware.

Mr. HENRY JAMES ELLIOTT, of Hatton Garden, E.C., a graduator of chemical apparatus, said that he graduated both British and foreign blanks, and that it was very difficult for him to tell British blanks from foreign ones. He submitted fees that were charged by the National Physical Laboratory for the testing of graduated glassware, and in one case the charge was 4s. 6d. for a graduated flask, and in another 8s. for a graduated cylinder.

Mr. MACASKIE: If you paid those prices, then the total cost of those articles is out of all proportion to the cost of the original blanks?—Yes, because we have to take into account the fees for rejection as well as those passed for accuracy. Contrasted with those charges, witness said that the cost of marking a lamp-blown flask would be at the rate of 2s. a hundred after manufacture, and it would be considerably less if the marking were done during the process of manufacture.

Alderman WILLIAM BRADFORD, J.P., the general and financial secretary of the National Flint Glassworkers' Society of Great Britain and Ireland, was then called. Many of the members of his Union, he said, were engaged in making scientific glassware. Wood Bros., some four or five years ago, had 150 men, who at that time worked in the scientific section of the glass industry. Unfortunately, at the present moment, the majority of those men were out of work, and having run through their scale of unemployment benefit they were now scattered and he could not say what would become of them. After the war, the Government appointed three members of his Association, including himself, to train men in the scientific section of the trade, and upwards of 200 men were so trained at Tottenham and Bermondsey.

Mr. MACASKIE said that a previous witness, Mr. Baird, had said that Mr. Moncrief, a glassmaker of Perth, had had to go to the Continent to try and find glassworkers.

The CHAIRMAN: For the benefit of the inquiry and the committee I let Mr. Bradford make his statement in his own way. You appreciate we must not have elaborate cross-examination on what I may call the safeguarding.

Mr. BRADFORD said he would like to add that Mr. Moncrief had made an application to his Society for men six weeks ago. Two men had been sent to Perth and had been most successful, and another was to follow.

Mr. A. F. MILLER (of the Thermal Syndicate, Wallis-end-on-Tyne, also gave evidence.

Mr. A. E. BASSETT (director of Chance Bros., manufacturers of scientific glassware, of Birmingham) said that they badged all their tubing with their name. They were able to supply any trade with scientific glassware.

Mr. H. H. ZEAL (of G. H. Zeal, thermometer manufacturers, of St. John Street, E.C.1) said that they sold their thermometers with their own trade mark, while at the same time a considerable number of foreign thermometers came into the country without a trade mark.

Mr. MORITZ: What is the cost of putting on words? It depends on how it is done. If it is done by stamping it can be done very cheaply. He said that the clinical thermometers that were tested at the National Physical Laboratory were engraved with N.P.L. in the trade at a cost of 3d. a piece, including the testing.

The CHAIRMAN: How much of that would be for the mark? Not so much as a penny.

Mr. MORITZ: Can you give any information, apart from Government specifications, as to whether there is a general desire to buy British? Most emphatically, the British have a high standard of accuracy and a high reputation, and undoubtedly there is a wish on the part

of the whole world to buy British apart from Continental.

Mr. BARNES: Is there a German mark of certification? There is, but it does not carry such a great degree of confidence. It is rather a matter of form.

Mr. MACASKIE: Although 60 per cent. of the cost of a thermometer is English labour you still think it deserves to be called foreign? Certainly.

Mr. M. RYLE (commercial manager of the Osram, G.E.C. glass works, which also manufacture tubing and rod) then gave figures of the output of his firm, which, he said, were capable of considerable expansion. In the last calendar year there were about 390 tons of tubing and rod imported into this country.

Mr. MORITZ: Could you have supplied it? We could have supplied that quantity, but I do not know about the quality because I do not know what the quality was.

Mr. MORITZ: How many pieces an hour can a girl stamp? Usually from 750 to a 1,000 pieces an hour.

Mr. MARCUS ZAMBRA (Negretti & Zambra) said there was considerable imports of thermometers and barometers, mostly from Germany, and he said it was impossible for anyone outside the trade to distinguish.

Mr. J. DAVIES (managing director, A. Gallenkamp, Ltd.) was then called as the first witness for the opponents. They imported from abroad a considerable amount of scientific glass and metal and wood, such as vacuum distilling apparatus, stirring apparatus, blood pumps, and many others. The metal used for the parts of those articles was often very expensive, and the cost of the foreign glass varied from only 10 per cent. to 50 per cent. of the cost of the finished article, and if the glass parts of such articles were marked foreign such a mark would brand the finished article as foreign and would inflict considerable injury on their trade.

The inquiry was then adjourned until 10.45 on Monday, June 10.

(To be continued.)

The Future of Acetone

FROM time to time during the past three years the spot market for acetone has been affected in consequence of some new development. Sometimes a foreign source of supply suddenly dried up and at other times it was fierce competition between Continental and American producers. The imposition and the removal of Key Industry Duty on certain kinds of this material was also reflected in the market position. At the end of this month the Treasury exemption orders on R grade, synthetic and fermentation acetones will be withdrawn and imports of these will once more be liable to the 33½ per cent. *ad valorem* duty. At about the same time a home source of supply will come on the market. The position as regards sources of supply will thus be completely changed from that of about two years ago, when American acetone practically dominated the market. From July 1 American acetone, if any is available, will be shut out on account of import duty. The business will be done between home and Continental producers. Material from the latter source is made from acetate of lime and will, as has always been the case, be non-dutiable. Prices for B.G.S., have been stabilised for some months, but these values, which ranged from £76 to £85 per ton, according to quantity, were based on agreement between Continental and American interests. It follows that there may easily be a change in market values. Unless they are prepared to hold their position in this market by selling without profit Continental makers cannot, on to-day's price of acetate of lime, make any material reduction in prices. The future of the market depends a good deal on the relations between the home and Continental producers. They may get together and agree upon prices or they may decide to compete independently for the business. It would appear as though both sides have nothing to gain by slaughtering the market instead of sharing it at reasonable prices. It is satisfactory to have production of this important product established in this country by a firm of the first importance and repute. Doubtless they will not desire to do more than feel their way on the market for some time ahead, and in consequence we foresee little, if any, change in market prices for acetone up to the end of this year.

Insurance Act Dispensing

Record of matters concerning Chemists' interests in the National Health Insurance Acts

Local Reports

ENGLAND AND WALES

London.—A meeting of the Pharmaceutical Committee took place on May 22, Mr. P. Sparks in the chair. The report of the Central Checking Bureau for the month of January, 1929, showed that the margin of error in pricing was 0.02 per cent. Mr. G. A. Mallinson was appointed returning officer for the biennial election of the Pharmaceutical Committee. The secretary reported that the balances paid to chemists for 1928 amounted to £21,450 2s. 7d. The Chemists' Service Subcommittee reported on two meetings at which ten cases were considered under the testing scheme: five chemists were cautioned, four chemists were censured, and one chemist received a warning. The monthly meeting of the Insurance Committee was held on May 23. The Finance Subcommittee recommended the payment of accounts, amounting to £61,549 11s. 5d. Among these were the following:—Analysts' fees for testing of drugs, £37 16s.; to chemists for the year 1928-29, £55,549 11s. 6d. The accounts were passed. The Subcommittee further reported that the committee's fund and practitioners' drug fund for the year ended December 31, 1928, have now been balanced, showing the following: Payments to chemists, cost of drugs and appliances, £127,836 2s. 5d.; dispensing fees, £155,909 11s.; payments to doctors on capitation basis, £284 8s. 7d.; in respect of drugs, £1,128 15s. 4d.; special drugs, £177 2s. 7d.; other payments to doctors (special refunds), £4 13s. 2d.; payments to insured persons in respect of drugs obtained by them prior to establishing their title to medical benefits, £21 8s. 5d. The Subcommittee added that the Minister has already credited the chemists' fund with a sum of £250,000, and application has been made for the balance, viz., £40,233 12s. 7d.; also £1,594 19s. 8d. in respect of the practitioners' drug fund. The report of the Medical Benefit Subcommittee contained the following statistics in reference to prescriptions issued during the respective months of February 1929 and 1928:—Total number of prescriptions, 1,082,653 and 744,991; cost of ingredients, £15,140 9s. 5d. and £11,348 18s. 10d.; cost of dispensing fees, £20,667 4s. 3d. and £13,882 3s. 11d.; average cost of ingredients, 3.36d. and 3.66d.; average cost of dispensing fees, 4.58d. and 4.45d.; total number of persons, 1,841,195 and 1,790,156; average number of prescriptions per person, 0.59 and 0.42; average cost per person, 4.67d. and 3.38d. The Pharmaceutical Service Subcommittee reported that they had investigated fourteen complaints against chemists. The charges made were substantiated in all the cases. Fines were inflicted in eight cases; in two the chemists were cautioned; and in one the Subcommittee deprecated the conduct of the chemist towards the insured person, and recommended that the attention of the Pharmaceutical Committee be called to the matter.

Sheffield.—At a meeting of the Insurance Committee a report of the Joint Services Subcommittee was adopted. A chemist had complained that after dispensing a proprietary medicine, the patient returned it with a request by the doctor to cancel the prescription, as the maker's label had been removed and replaced by a label of the chemist, giving the doctor's directions. The opinions of the Panel and Pharmaceutical Committees had been asked for, and both agreed the chemist had acted according to custom. Eight samples of medicine had been tested; two showed discrepancies and have been referred to the Joint Services Subcommittee for further investigation.

Surrey.—At a meeting of the Surrey Insurance Committee on May 29, the Pharmaceutical Service Subcommittee submitted a report relating to a chemist and his dispenser, who had attended before the Committee. The report of the analyst showed that the wool supplied did not conform to the requirements of the B.P.C. The chemist submitted a letter from the manufacturers in which they accepted responsibility. The Committee considered that the chemist was in the hands of the manufacturer, but the fact was that the chemist had cove-

nanted to supply a certain article, which in this case was not up to standard. They recommended that the Ministry be requested to withhold the sum of £1. Dr. L. C. Newton said that if the chemist got his wool in sealed packets, it was not his fault if anything was wrong. He thought it a little hard on the chemist if the manufacturer should get away while he was fined. He could not see how the chemist could protect himself. Mr. Lemon replied that the Committee realised the difficulty, but the chemist had his remedy against the manufacturer. If the Ministry thought such a case should be left alone they would say so.

Worcester.—At a recent meeting of the City Insurance Committee it was reported that the Committee's share of the £6,191,750 in the practitioners' fund was £8,545. Of this £8,158 had already been received. The average cost per prescription for the area during January was 4.5d. for dispensing fees and 3.5d. for ingredients. The average cost for Worcester [for some other period?—*EDITOR*] was 8.5d., the highest on the list with Leicester's, which was also 8.5d. Herefordshire was 8.3d., Burton, the lowest, 7.3d., and Worcestershire 7.9d. As they had often pointed out at these meetings, the City of Worcester received more money out of the drug fund than any other in the area. [Corrected notice.]

SCOTLAND

Ayr.—At a recent meeting of the Ayr Burgh Insurance Committee, the Pharmaceutical Service Subcommittee minute showed that a remit had been made to consider a complaint by the Insurance Committee against a chemist in respect that a prescription had been presented for $\frac{1}{2}$ lb. of lint which was not supplied in a packet, and was only 7.63 oz. in weight. The Committee decided that the lint had been supplied in accordance with the terms of the drug tariff, and dismissed the complaint. Reference was also made to a letter from the clerk of Ayr County Insurance Committee, who drew attention to the fact that ten of the doctors in Ayr consulted in chemists' shops. The clerk was instructed to reply that the matter had been under previous consideration, and that the Subcommittee were of opinion that it suited the convenience of many insured persons to consult in chemists' shops. The chairman said that six tests of drugs and two of appliances had been made. The analyst found the samples of the drugs taken to be satisfactory.

Banffshire.—At a meeting of the Banffshire Insurance Committee on June 8, Dr. Stephen directed attention to the payment of £13 for the testing of drugs and appliances, and declared that they were not getting value for their money. He had been asked twice, he said, to give test prescriptions, and he must say that the form in which he was asked to make out the prescription was such that a chemist must have known at once that it was a test prescription, as all doctors had a typical way of making out their prescriptions. The test, he declared, was of no value whatever and was a waste of money. Mr. Garrow, chemist, Keith, said a circular from the Department had been issued in regard to the form which the prescription should take, and it was indicated that no "masking" substance should be included. Although in some cases the chemist might know that he was being set a test prescription, he did not think that was generally the case. Dr. Stephen expressed the view that in a small place like Banffshire the chemist could not supply inferior drugs without hearing about it. Dr. Taylor said the strongest argument in favour of the abolition of the scheme was that the chemists of Banffshire were above suspicion. Mr. Jamieson, Banff, urged that it was in the interest of the insured persons that the drugs should be tested; but Dr. Stephen asked, "What is the use if the chemists know that it is a test?" The matter was subsequently dropped, the chairman, Mr. William Grant, suggesting that the committee might consider an amended scheme.

Perth.—The members of the Committee, at a meeting on June 4, appointed Mr. G. McLeod *Chairman*, in succession to ex-Lord Provost McNab, who has held the office since the inception of the Committee in 1912. Mr. T. Harley, chemist and druggist, was unanimously elected *Vice-Chairman*.

Trade Report

The prices given in this section are those obtained by importers or manufacturers for bulk quantities or original packages. To these prices various charges have to be added, whereby values are in many instances greatly augmented before wholesale dealers receive the goods into stock, after which much expense may be incurred in garbling, packing, etc. Qualities of chemicals, drugs, essential and fixed oils, and many other commodities vary greatly, and higher prices than those here quoted are charged for selected qualities of natural products even in bulk quantities.

42 Cannon Street, E.C.4, June 13.

BUSINESS has been of a rather peculiar nature, and has alternated between short, brisk spells and total stagnation. On the week, however, there is a brighter tone, as can be seen from a glance at the table, and there are a number of interesting movements. Crude drugs have been in moderate demand, and there has been active buying in all grades of ginger, which is dearer. West Indian tamarinds, taraxacum root and lime juice are all higher. White pepper and gum acacia are both firmer, the latter being full of possibilities. There is a number of articles with an easier tendency, and among these are antimony (metal), cloves, new crop senega, balsam of tolu for shipment, and Japanese menthol. Hydrastis root to arrive, ipecacuanha, squills and saffron are all lower. English makers report that owing to adverse weather conditions the crops of belladonna and henbane will be short, and that this will be reflected in prices for the new season's green extracts. The seed market is not quite so brisk, and there are a few instances of shading of values. Canary and Indian fennel are easier for shipment, and coriander is dull on the spot. Spanish anise is a little dearer. Essential oils have been in fairly good request, and the feature is a recovery in Silican lemon and orange. Sage and the geraniums are also firmer, while Java citronella and Japanese camphor are higher. Cassia and cajuput are both easier, with bergamot and juniper berry lower. Pharmaceutical chemicals have been quiet, but there are a few items of interest such as another adjustment of salol prices. Caffeine and the citrate are firmer from the Continent, and there is also a likelihood of advances in phenazone and phenacetin. Theobromine is dearer and coumarine lower. The most interesting feature in industrial chemicals is the appearance of home makers on the acetone market. In coal-tar products the only change is an advance in the quotation for pitch. Fixed oils are more steady after last week's lower prices, although inquiries are still slow. Linseed oil and palm oils have recovered. Turpentine shows improvement and closes firm. Lubricating oils are firm on an active market, but prices are unchanged. Shellac and annatto seed have declined.

| Higher | Firmer | Easier | Lower |
|----------------|----------------|----------------|----------------|
| Anise (Sp.) | Caffeine | Antimony | Annatto seed |
| Camphor oil | Caffeine cit. | Balsam tolu | Bergamot oil |
| Citronella oil | Geranium oils | Cajuput oil | Coumarine |
| Ginger | Gum acacia | Canary seed | Hydrastis root |
| Lime juice | Lemon oil | (c.i.f.) | (c.i.f.) |
| Linseed oil | Orange oil | Cassia oil | Ipecacuanha |
| Pitch | Palm oils | Cloves | Juniper berry |
| Tamarinds | Pepper (white) | Coriander seed | oil |
| Taraxacum root | Phenacetin | Fennel | Saffron |
| Theobromine | Phenazone | (Ind. c.i.f.) | Shellac |
| Turpentine | Sage oil | Menthol | Squills |
| | | Senega | |
| | | (new crop) | |

Cablegram

BERGEN, June 12.—The catch of cod since the opening of the season amounts to 77,003,000 against 62,762,000 at the corresponding date last year, and the yield of steam-refined cod-liver oil amounts to 90,157 hectolitres against 49,664 hectolitres at this time a year ago. The market for finest new (1929) Lofoten oil remains unchanged.

Crude Drugs, etc.

ALOES.—Fair to good hard Cape are quoted 38s. to 42s. 6d. per cwt. on the spot. Exports from the Union of South Africa during the month of January 1929 amounted to 214,514 lb., valued at £890, against 73,528 lb., valued at £576, in the same month of 1928.

ANNATTO SEED is slightly lower for forward shipment, and shippers are now more inclined to meet the market. For good bright Jamaica and Madras, June-July shipment from origin 52s. 6d. per cwt. c.i.f. is wanted. Spot supplies, however, are very short, and the stock mainly consists of low, dull seed of an uncertain age.

ANTIMONY.—The tone is still dull, demand being very poor on the spot, and the quotation is no better than £34 ex-warehouse, while orders for shipment continue to be placed down to £31 c.i.f. Crude on the spot is nominal at about £29 to £30. English refined ranges from about £48 to £52 according to brand and quantity. There was an increase in the Italian output last year amounting to 295 metric tons of regulus and 1,610 tons of antimony ore.

BALSAMS.—Tolu for shipment is slightly easier at 4s. 3d. per lb. c.i.f. Canada is worth 5s. to 5s. 3d. per lb. on the spot according to quantity.

BELLADONNA.—Leaves from the Continent are quoted 56s. per cwt. c.i.f. For the root, testing 0.45 per cent., the value is 56s. per cwt. on the spot.

BUCHU LEAVES.—Good green on spot are quoted 1s. 2d. to 1s. 3d. per lb. as to quantity, yellows are 11d. to 1s., and ovals 11d. to 1s. 1d. per lb. Exports from the Union of South Africa in January 1929 were 20,752 lb., valued at £786, against 12,446 lb., worth £493, for January 1928.

CADMIUM.—There is a continuous good demand and current supplies are said to be well absorbed. Spot quotations vary from 4s. 1d. to 4s. 3d. per lb., according to contract terms for quantities. There has been a wider distribution of the exports in Canada, but a large portion thereof is finding its way into the U.S.A., where a more active demand has been reported.

CAMPHOR (REFINED) has been in better demand at 2s. 5d. per lb. for 2½-lb. slabs, 2s. 10d. for flowers, and 3s. 1½d. for ½-oz. tablets on the spot.

CHAMOMILES.—No news of the new crop Belgian has yet come through, which confirms the rumour that the harvest will be late.

CLOVES have declined slightly over the week and sales of Zanzibar have been made on the spot at 1s. 4½d. per lb. Shipment values are also easier, the August-October position being 11d. per lb. c.i.f., with sellers for October-December at 10½d. c.i.f. There were no landings during last week. Forty bales of Madagascar were delivered, leaving a stock of 565 bales. Deliveries of Zanzibar were 87 bales, leaving a stock of 1,776. The total stock was therefore 2,341 bales, against 10,483 in 1928 and 12,683 in 1927.

COD-LIVER OIL is slightly easier at 103s. to 108s. per barrel c.i.f. for finest 1929 Lofoten non-freezing from agents, and fair business has been passing. Old oil is quoted at 96s. to 98s. per barrel on the spot.

BERGEN, June 5.—The fishing in Finmarken is declining and will be finished within a fortnight. The market for cod-liver oil is at present quiet, but considerable orders have been booked for future delivery.

CORN PRODUCTS, ETC.—Guaranteed water-white American glucose (corn syrup) is 22s. per cwt. for June-August delivery, ex store, London. Dutch maize starch powder (cornflour) is 15s. 6d. per cwt. on the spot; American is 16s. 3d. per cwt., ex store, London, for delivery up to the end of August. Pearl starch is 15s. 9d. per cwt., ex store, London, for delivery up to the end of August. Dutch maize starch crystals is 21s. 6d. on the spot, and American is 19s. per cwt., ex store, London, for delivery up to the end of August. Dutch dextrin is quoted at 22s. to 26s. per cwt. on the spot, as to quality. American canary is 19s. 4½d., and white 19s. 1½d., ex store, London, both for delivery up to the end of August. Dutch farina is quoted at 13s. per cwt. on the spot, and for shipment 11s. 10½d. per cwt. f.o.b. is wanted.

GINGER.—West African has been active, and sales, both on spot and for near shipment (c.i.f.) have been made at 62s. 6d. per cwt. Fair washed rough Cochin has realised 72s. 6d. on the spot and up to 77s. 6d. is quoted. Japanese is now 62s. 6d., and bold Jamaica 100s. to 120s. per cwt. In view of the firm position the statistics are of interest. Landings of Cochin last week were 507 bags and deliveries 73, making the stock 2,879, against 4,825 last year. Twelve bags of West Indian were landed and 291 delivered, leaving 7,989 bags in stock, against 10,533 last year. Deliveries of African were 295 bags and landings 108, leaving 7,022 in stock, against 10,837 in 1928 and 21,244 in 1927.

GREEN EXTRACTS will shortly be manufactured, and although crops are now coming on nicely, the quantity harvested will be much below normal. The severe frosts last winter and the lack of rain this spring have been adverse factors. English makers have not yet fixed prices for the new season's belladonna and henbane extracts.

GUM ACACIA is dearer on the spot where holders are asking 85s. for natural Kordofan. Cleaned is now quoted 90s. on the spot, and bleached Kordofan is 120s. to 125s. according to quantity and seller.

HYDRASTIS ROOT is lower to arrive at 13s. 9d. per lb. c.i.f. IPECACUANHA is weak and lower on the spot. This is to be expected at this time of year when consumption is small and low offers from the Continent are also affecting the market. Matto Grosso has been sold on spot at 13s. per lb.

LIME JUICE.—The demand is brisk and supplies limited. For good pale new crop 4s. 9d. has been refused, 5s. being the price. A limited quantity of fair quality is quoted at 4s. 9d., and for old crop 4s. 3d. to 4s. 6d. is asked. The following are details of the exports from Dominica during 1927: Raw juice, 173,848 gallons, valued at £7,244; concentrated juice, 106,971 gallons, valued at £22,269. The total value of the export trade in all lime products (fruit, juice and oil) is given as £95,481.

MAGNESIUM has been in good demand, and home makers' prices were maintained at 3s. 3d. to 3s. 9d. per lb. for small sticks and bars, while ribbon sold at 11s. to 14s., and powder ranged from 4s. 6d. to 7s. 6d. per lb. according to quantity and quality.

MENTHOL is easier on the spot at 19s. 9d. per lb. for Kobayashi/Suzuki. Forward is quoted 19s. to 19s. 3d. per lb. c.i.f., according to position.

MERCURY.—Market conditions revealed no new feature on the spot, being virtually stereotyped with a small hand-to-mouth demand at £22 2s. 6d. to £22 5s. per bottle on the spot less the usual discount. There has been a few inquiries from the Eastern markets, chiefly Japan, which have not matured into business, but small sales have been effected for India. There is no alteration in the Continental price f.o.b. as quoted by the Combine, and the New York quotation has remained at \$122 per bottle, duty paid. It is reported that a normal production has been going on in Italy and Spain, and that stocks have been steadily increased there pending developments in the export demand, which are a little uncertain. The Italian output for 1928 is placed at 52,602 bottles against 58,761 bottles for 1927.

OPIMUM.—The following report has been received from Turkey:—

CONSTANTINOPLE, June 1.—Sales during the past fortnight have amounted to 63 cases druggists' at £T31 to £T35 3/4 per oke, 3 "softs" at £T32 to £T33, and 11 Malatia at £T32 to £T33. It is rumoured that 600 cases have been sold by two exporters at Batavia, but a batch of 100 cases is probably nearer the truth. Beneficial rains have fallen in the Interior. Nevertheless, speculators keep on saying that the plantings of poppies have been destroyed and replaced by crops of barley and wheat. We believe that these forecasts are exaggerated and that there is no cause for alarm. On the other hand there are those who are holding stocks for higher prices. Arrivals during the fortnight have been 1,663 cases druggists', 387 "softs", and 140 Malatia, making a total of 2,190, against 2,141 over the same period last year. Stocks are now 528 druggists', 139 "softs", and 68 Malatia, a total of 735, against 800 cases on the same date a year ago.

PEPPER is quiet but firm. Fair black Singapore is 1s. 4 1/2d. per lb. on the spot, with May-July shipment at 1s. 3 1/2d. c.i.f. Lampung on spot is 1s. 4 1/2d., and there are buyers of May-July at 1s. 3 1/2d. c.i.f. Sales for August-October shipment have been made at 1s. 2 1/2d. c.i.f. Tellicherry and Alleppy are both available at 1s. 4 1/2d. on the spot. White Muntok is firmer to arrive, and sales were made at 2s. 3 1/2d. c.i.f. for May-July shipment. There are buyers of August-October at 1s. 11 1/2d. c.i.f. The spot value of 2s. 3 1/2d. per lb. is firm. Landings of black during last week were 140 tons, which, with 121 delivered, left a stock of 1,682 tons, against 4,265 in 1928 and 4,526 in 1927. Forty-seven tons of white were landed and 83 delivered, leaving 593 tons in stock, against 1,108 in 1928 and 984 in 1927.

PIMENTO is unchanged and quiet. The spot value is 1s. 2 1/2d. per lb. Shipment is quoted 124s. per cwt. for July-August, and there are sellers in the August-October position at 112s. c.i.f.

RUBBER is without any material alteration. Quiet conditions prevail, and although a fair amount of spot business is passing, this appears to have little influence on the price. From recent cables to hand, it would appear that the American consumption continues on as large a scale as hitherto, and the market is at present waiting for the result of the last American questionnaire. Singapore is also very steady, and the amount of off-grades being shipped is not very large. Arrivals last week totalled 1,804 tons whilst deliveries were 1,708 tons, showing a further increase of 96 tons in the stocks. The London stock now stands at 31,635 tons, against 42,683 tons at the corresponding period last year. Quotations (Wednesday 5 p.m.): No. 1 standard ribbed smoked sheet, spot and June, 10 3/4d.; July-September, 10 1/2d.; October-December, 11 1/4d. per lb.

SAFFRON is inclined lower and is quoted 43s. to 47s. per lb. on the spot for genuine, according to grade.

SEEDS.—The market has become dull and prices remain about the same. **ANISE.**—Spanish is a little dearer at 67s. 6d. per cwt. spot, with Russian unchanged at 28s. 6d. per cwt. spot. **CANARY.**—Mazagan is still 24s. per cwt. spot. No offers have yet been made for new crop although business has been done at 21s. 6d. c.i.f. New York for October-November shipment. Saffi remains at 23s. per cwt. spot. For new crop, July-August shipment, the price

is a little easier at 20s. 9d. c.i.f. **CARAWAY.**—The market is now steady and the price asked is 42s. 6d. to 43s. per cwt. spot. **CUMIN.**—Maltese is unchanged at 55s. per cwt. spot. Morocco on spot is 49s. per cwt., and for new crop July-August shipment a little business has been done at 46s. 6d. per cwt. c.i.f. **CORIANDER** is very quiet with sellers at 12s. 9d. to 13s. per cwt. spot. Most of the big shippers of new crop are now holding for 11s. 3d. c.i.f., but at the same time business is being done at as low as 10s. 3d. c.i.f. for June-July shipment. **FENUGREEK.**—The spot price is 20s. per cwt., and for new crop July-August shipment 15s. 3d. c.i.f. is being quoted. **LINSEED** is 22s. per cwt. spot. For new crop 18s. 3d. c.i.f. is the price. **FENNEL.** Indian is 68s. per cwt. spot, and for shipment the price now is 65s. c.i.f. **MUSTARD.**—English is 27s. to 31s. per cwt. spot according to quality. **DILL** on the spot is 21s. 6d. per cwt. for 11 per cent.

SENEGA is quoted as low as 4s. 3d. per lb. c.i.f. for new crop, and even lower offers are expected.

SENNA.—Little has been heard this year of the new crop Alexandrian, which is extremely scarce, and considerably affected by adverse weather conditions that prevailed in the Sudan during the early spring. Collection finishes during June, and very small quantities of new crop pods, leaves or siftings have been sent over. The few pods that have arrived confirm that the quality has been badly affected, since they are all of a very dark and brownish colour, and at this late date hopes of an improvement in the quality cannot be entertained. Stocks of pods are very limited on the spot and held for high prices. Spot prices for pods are now: special hand-picked, 4s. 6d. per lb.; No. 1 grade, 2s. to 2s. 6d. per lb.; No. 2 grade, 1s. 6d. per lb.; manufacturing pods, 6d. per lb.; siftings, 4 1/2d. per lb. Good green mixed leaves are quoted 6d. per lb. on the spot, and siftings are 4 1/2d. per lb.

SHELLAC has been very quiet, and prices are lower though closing steady. Usual standard TN orange has been sold at 195s. per cwt. on the spot, and 196s. is the value for August delivery with buyers at 195s. To arrive the June-July shipments are quoted 185s. c.i.f., and there are sellers in the July-August position at 187s. c.i.f. Sales for delivery in October were made at 199s., and for December 200s. was paid. Fine orange on the spot is 215s. to 300s., pure button 235s., and AC cakey 207s. 6d. per cwt. **SQUILLS** are slightly lower at 45s. for fair white. Supplies, however, are limited, and the new crop will not be ready for fully two months. An offer of new crop for shipment is said to have been made as low as 24s. c.i.f.

STRAMONIUM LEAVES.—Hungarian are quoted 56s. per cwt. on the spot.

TAMARINDS.—There does not appear to be any West Indian offering except a few odd barrels of Barbadoes at 55s. to 60s. We understand the crop is finished, all supplies having gone into consumption.

TARAXACUM ROOT.—The last crop both here and on the Continent was exceptionally small and insufficient to last out until next autumn's crop. Values have appreciated, and a little might be secured of English at 120s. and foreign at 110s. on the spot.

Essential Oils

BUSINESS is very patchy, and there is an interesting rumour to the effect that Russian oils will be coming more on the market. This has no bearing on the change in our Government, but is dependent upon reported progress in production. The oils affected would be peppermint, eorlander, anise, ealamus and juniper principally. Java citronella, camphor and sage oils are higher, geraniums, lemon and orange are firmer, eassia and eajuput easier, and bergamot and juniper berry lower.

ANISE (STAR).—Leads of "Red Ship" are scarce on the spot and therefore quoted slightly firmer at 2s. 8d. to 2s. 8 1/2d. per lb. The shipment position is unchanged at 2s. 5 1/2d. per lb. c.i.f. for leads.

BAY.—West Indian is a firm market with values on a basis of 7s. 8d. per lb. on the spot for 50-55 per cent. phenols.

BERGAMOT is again lower, quotations now being 16s. 9d. per lb. c.i.f. with spot supplies offered at 17s. per lb. for 37-38 per cent. l.a.

CAJUPUT, in absence of demand, has been shaded to 3s. per lb. for cases containing 24 bottles.

CAMPOR.—Japanese white is getting into very small compass with coming forward (and a substantial Continental) inquiry on a market which cannot be filled. A few 400-lb. drums are now quoted at 130s. per cwt.

CASSIA is weak and easier on the spot at 4s. 11d. per lb. for the 30-35 per cent. e.a., guaranteed free from alcohol. The forward position is unchanged at 4s. 3d. c.i.f. on a London analysis.

CELERY SEED is scarce at 32s. per lb. c.i.f. and 35s. on the spot.

CITRONELLA.—The rise in Java for shipment has continued and 2s. 5½d. c.i.f. is now mentioned. There are sellers on the spot at 2s. 4d. per lb. Ceylon is unchanged but firm at 1s. 8d. per lb. c.i.f. and 1s. 10½d. on the spot.

CUBEBS.—Genuine B.P. quality is quoted at 12s. rer lb. on the spot in 100-lb. lots.

CUMIN on the spot is quoted 17s. per lb. for genuine B.P. quality.

GERANIUM is very firm. Bourbon on the spot is now quoted 19s. 9d. per lb., and 19s. 6d. c.i.f. has been asked. Algerian for shipment is now 19s. 6d. to 20s. per lb. c.i.f., and supplies on the spot are so limited that 20s. 6d. to 21s. is being asked by holders.

GINGER from Calicut root is quoted 25s. per lb. on the spot.

GINGERGRASS is quoted 8s. per lb. c.i.f. and 9s. on the spot.

GUAIACWOOD is quoted 5s. 6d. per lb. on the spot for quantities of two cwt.

JUNIPER BERRY is slightly lower at 5s. 6d. per lb. on the spot for B.P. (exot.) quality in quantities.

LEMON is somewhat firmer following signs of a demand. Genuine hand-pressed Sicilian is now quoted 15s. to 15s. 3d. per lb. c.i.f., while on the spot the values range from 15s. 3d. to 15s. 9d. per lb.

LEMONGRASS is unchanged and weak at 2s. 9d. per lb. on the spot and 2s. 7½d. per lb. c.i.f.

LIME.—The present high prices and acute shortage for both the expressed and the distilled oil have been attributed to the recurrent hurricanes which destroyed so many trees last autumn. It is now reported that some unknown disease has attacked the remaining trees, and if this proves to be the case even higher rates are possible. New plantings will not be available for production for two or three years yet. The exports of distilled oil from Dominica during 1927 amounted to 31,346 lb., valued at £36,049. Exports of the hand-pressed oil (otto of limes) were 7,828 lb., valued at £13,308. The spot value of the distilled oil is 34s. 9d. to 35s. per lb. according to quantity, while the hand-pressed appears to have gone off the market entirely.

NUTMEG is quoted 6s. 6d. per lb. on the spot for B.P. quality in two-cwt. lots, although 7s. per lb. is asked for smaller lots.

ORANGE.—Sicilian has recovered slightly and the market is a shade firmer. There are still offers for shipment at 16s. 9d. per lb. c.i.f., and 17s. 3d. is being paid on the spot for genuine Sicilian.

PALMAROSA.—East Indian is unchanged as quoted at 12s. per lb. on the spot and 11s. c.i.f.

PEPPERMINT.—Japanese dementholised peppermint is inclined easy at 6s. 4½d. per lb. on the spot for Kobayashi/Suzuki. Shipment is quoted 6s. 1½d. per lb. c.i.f. for June-July and 6s. 3d. for August-September. American natural tin oil is still neglected at 12s. 6d. to 13s. per lb. on the spot, according to brand. The shipment position is unchanged at 12s. 3d. to 12s. 6d. per lb. c.i.f. H.G.H. is slightly firmer on spot at 17s. 6d. per lb. though unchanged to arrive at 17s. c.i.f.

ROSE.—It is announced that the Ministry of Agriculture in Bulgaria have held a congress to discuss methods of combating rose diseases. In the absence of stocks business at Sofia is lifeless, the only event being the distribution of 25,000,000 leva as advance loans to the growers from the large distillers. These loans were granted without interest.

SAGE.—Genuine Continental is scarce on the spot and dearer at 10s. 6d. to 11s. per lb., according to quantity. There are offers for shipment at 9s. 6d. per lb. c.i.f.

SANDALWOOD.—The controversy on the merits of Australian oil as opposed to East Indian is very keen in the U.S.A., where there is a strong movement to have the Australian admitted to the U.S.P. The production of the oil in Australia has risen from 6,000 lbs. in 1922 to 55,000 lbs. in 1928, and as there are huge belts of untouched natural forest in addition to a reforestation scheme, the output can be increased still further. Market prices are unchanged, although a further increase in Mysore oil is rumoured.

SASSAPARILLA is maintained at 3s. 10d. per lb. c.i.f. and 4s. 3d. on the spot for natural American.

The following arrivals have taken place from the countries indicated during the period May 29 to June 4 (inclusive):—Almond (Fr.), 14 cs.; apricot (Fr.), 10 cs.; bergamot (Fr.), 25 cs.; cajuput (D.E.I.), 2 dm.; cananga (Jv.) 3 dm.; cedar-leaf (U.S.), 2 dm.; cedarwood (Fr.), 1 dm.; cinnamon (Cey.), 1 dm.; citronella (Cey.) 3 dm., (Jv.) 6 dm., (Neth.) 4 dm., (Ch.) 2 dm.; clove (Fr.), 2 dm.; dill (Ger.), 14 cs.; eucalyptus (Aust.), 40 cs.; geranium (Br. Ind.) 1 cs., (Fr.)

1 dm.; lemon (It.) 188 cs., (Ken.) 1 cs.; lemongrass (Br. Ind.), 4 dm.; lime (B.W.I.), 20 cs.; orange (U.S.) 1 cs., (Jp.) 5 cs., (It.) 123 cs.; palmarosa (Br. Ind.), 4 dm.; patchouli (Ken.), 3 cs.; peach (U.S.), 1 cs.; peppermint (Jp.) 20 cs., (U.S.) 45 cs. 3 dm.; petitgrain (Fr.) 5 cs., (Arg.) 10 cs.; rosemary (Sp.), 3 cs.; rosewood (Braz.), 3 dm.; undescribed (Fr.), 25 cs.

Pharmaceutical Chemicals, etc.

WHILE there is a fair amount of business moving, this market seems to have been quieter in some respects during the past week. Prices are keeping steady, and in some products there is a tendency for further advances in values.

ACETANILIDE remains quiet: B.P. crystals and powder, 1s. 5d. to 1s. 6d. per lb., as to quantity.

AMIDOPYRIN is unchanged; market slow: quoted from 2s. 6d. to 8s. 9d. per lb.

ASPIRIN.—Prices range from 2s. 6d. to 2s. 8d. per lb., as to quantity.

BARBITONE is well maintained on spot at 6s. to 6s. 3d. per lb.; no offers from the Continent.

BENZALDEHYDE (.03) is quiet: quantities, in carboys, 1s. 10d.; small lots, 2s. per lb.

BENZOIC ACID (B.P.) is unchanged on a bright market: quantities, ex works, 2s. 1d.; spot parcels, 2s. 2d. to 2s. 3d. per lb.

BROMIDES.—There is no change to report; the market is rather sluggish. Dealers quote: ammonium, 1s. 10½d.; potassium, B.P. crystals, 1s. 7d.; granular, 1s. 7d.; sodium, B.P., 1s. 9½d. to 1s. 10d. per lb. for quantities in cases. British makers' prices for cwt. lots: ammonium, 1s. 11½d.; potassium, B.P. crystals, 1s. 8½d.; granular, 1s. 7½d.; sodium, B.P., 1s. 10½d. per lb.

CAFFEINE.—The Continental position is firmer to arrive, as follows: pure, 7s. 3d. to 7s. 9d.; citrate, 5s. 9d. to 6s. per lb.

CALCIUM LACTATE.—Business is rather limited; quantities, 1s. 2d.; smaller parcels, up to 1s. 3½d. per lb.

CHLORAL HYDRATE is steady with a fair business moving: duty-paid crystals, 3s. 1d. to 3s. 3d. per lb., as to quantity.

CITRIC ACID (B.P. crystals).—Business has been fair, with prices keeping about 2s. 1½d. to 2s. 2d. per lb., less 5 per cent., for spot foreign material; the forward position is unchanged.

COUMARINE is lower at 8s. 6d. per lb. on the spot for 100 per cent. in one-lb. tins.

CREOSOTE (B.P.) is quiet: quantities, 1s. 8d., in demi-johns; smaller parcels, 1s. 9d. per lb.

CREOSOTE CARBONATE remains quiet, with the spot quotation at about 6s. 6d. per lb.

HEXAMINE.—Prices in most quarters continue at 2s. 4d. to 2s. 6d. per lb., as to quantity; isolated offers may be slightly cheaper.

HYDROQUINONE continues at Convention prices of 3s. 8d. to 3s. 11d. per lb., as to quantity, with a fair business moving.

LACTIC ACID.—B.P. is quoted at controlled prices of 1s. 7½d. for ton lots, up to 1s. 10½d. per lb. for small parcels.

METHYL SALICYLATE (B.P.) is unchanged as quoted from 1s. 6d. to 1s. 8d. per lb., as to quantity, with some cheaper offers about.

METHYL SULPHONAL is quiet: quoted from 18s. 6d. to 20s. per lb.

PARAFORMALDEHYDE remains quiet, with 100 per cent. powder, in kegs, at 1s. 8d. per lb.; smaller parcels, 1s. 9d.

PARALDEHYDE is unchanged on a slow market: 1s. 1d. to 1s. 4d. per lb., as to quantity and packing.

PHENACETIN.—This market is very steady, and it would not be surprising if a further advance in prices was made in due course: spot, 2s. 10d. per lb. for one-cwt. lots of crystals; powder, one penny more.

PHENAZONE.—This is another product that is firm on spot and tending to advance from present spot values of 4s. to 4s. 6d. per lb.

PHENOLPHTHALEIN is quiet as quoted from 5s. 11d. to 6s. 1½d. per lb., as to quantity.

POTASSIUM PERMANGANATE.—Business is not of much account: quantities, in drums, 6d.; smaller parcels, from 6½d. per lb.

POTASSIUM SULPHOGUAICOLATE remains slack, with spot values at about 3s. 8d. to 4s. 2d. per lb.

SALICYLIC ACID (B.P.) is at the home makers' prices of 1s. 5d. to 1s. 7d. per lb., as to quantity.

SALOL.—Prices have been adjusted again and are now at 3s. 7½d. for two-cwt. lots up to 3s. 10½d. per lb. for small parcels.

SODIUM DIETHYLBARBITURATE remains dull, with spot prices at about 7s. 5d. to 7s. 6d. per lb.

SODIUM SALICYLATE (B.P.) is unchanged on the week: makers quote powder at 2s. 2d. for ten-cwt. lots, up to 2s. 4d. for small parcels; dealers' prices: crystals, 2s. 6½d.; powder, 2s. 4½d. per lb. for cwt. lots.

SULPHONAL is quoted from 10s. to 10s. 3d. per lb. on spot.

TANNIC ACID (B.P. *teriss*) remains dull: quantities, from 2s. 10d.; smaller parcels, 3s. per lb.

TARTARIC ACID (B.P. crystals).—A fair amount of business continues on spot, with foreign material selling from 1s. 4d. to 1s. 4½d. per lb., less 5 per cent., as to quantity; market steady.

THEOBROMINE.—Continental material to arrive has been advanced: pure, 6s. 3d. to 6s. 9d.; sodium salicylate salt, 5s. 3d. to 5s. 6d. per lb.

THYMOL is quiet: synthetic fine white, 9s. 1d. to 9s. 3d.; ex ajowan seed, 11s. 3d. per lb.

VANILIN remains rather quiet: ex guaiacol is quoted at about 14s. 6d. per lb., but less would be taken for important business; ex clove oil, 17s. per lb.

Industrial Chemicals, etc.

London, June 12.

THERE is little or no change to report this week in the heavy chemical markets. Prices quoted on spot are keeping steady, while business is reported to be somewhat quieter, but still fairly satisfactory.

ACETONE.—Home makers are now on the market and their prices for B.G.S. are reported to be on a level with dealers at £76 to £85 per ton, in drums, ex store, as to quantity.

AMMONIA (ANHYDROUS).—There is a flow of small orders, with prices unchanged at 10d. to 1s. per lb., in loaned cylinders, carriage paid; slightly less for big contracts.

ARSENIC.—The undertone is steady, but business is limited to small lots on the basis of fully £16 per ton f.o.r. mines. Mexican high-grade is offering at about £16 10s. c.i.f. Liverpool.

BARIUM CHLORIDE is a bright market with a good demand for all available supplies on spot and for early arrival: 98 to 100 per cent. prime white crystals, £11 10s. per ton, in casks, ex store.

CADMIUM.—The demand is not very active, but the market is well maintained at rates varying from about 4s. 1d. to 4s. 2d. per lb. for immediate delivery, but contracts can be arranged at a little less for parcels to arrive.

COPPER SULPHATE.—The market is still quite nominal on the basis of about £29 f.o.b. for casks less 5 per cent. Export demand is virtually at a standstill, and offers are being made at comparatively low figures.

CREAM OF TARTAR is quoted on spot at 96s. to 97s. 6d. per cwt., less 2½ per cent., for foreign material, but there are sellers at a shilling less for quantities; business has been fair.

EPSOM SALT continues generally quiet; spot parcels of commercial quality are quoted at about £4 5s. per ton, in single sacks; B.P. quality, about £2 per ton more.

FORMALDEHYDE is selling in moderate quantities, but prices obtained for quantities are generally well under the quoted rates of £35 10s. to £36 per ton, in casks, ex store.

FORMIC ACID is quiet: 85 per cent., in carboys, £46 to £46 7s. 6d. per ton, ex store.

ISOPROPYL ALCOHOL has met with steady business with prices for reliable material unchanged at 11s. to 12s. per gallon, in drums, carriage paid.

LEAD PRODUCTS.—The International Convention's prices for red lead, litharge and white lead, dry and ground in oil, continue unchanged, as reported last week.

OXALIC ACID is meeting with some business: quantities to arrive, £30 per ton, ex wharf; spot, 32s. per cwt., ex store.

POTASH PRODUCTS.—Business has remained rather limited, but prices, most of which are controlled, continue steady and unchanged: caustic, solid, 88 to 92 per cent., £32 15s. to £36 15s. per ton, in drums; 30s. per ton less c.i.f.; carbonate, 90 to 92 per cent., £24 10s.; 96 to 98 per cent., £26, in casks; chlorate, to arrive, 2½d.; spot, from 3d. to 3½d., ex store; permanganate remains dull; quantities, in two-cwt. drums, 5d. to 5½d.; yellow prussiate, in quantities, £63 10s. to £65 10s.; single casks, 7d.; small parcels, 7½d., ex store.

SELENIUM.—Black powder is selling at 7s. 8d. to 7s. 9d. per lb. delivered Liverpool warehouses.

SODIUM PRUSSATE.—A fair business is moving: quantities, 4½d. to 5d.; smaller parcels, 5½d. to 5½d. per lb., ex store.

SULPHUR.—American crude is quoted at £5 12s. 6d. to £5 17s. 6d., and Sicilian flowers are at £12 7s. 6d.; refined ground is at £11, and roll £9 15s. per ton, all c.i.f. to arrive.

ZINC OXIDE is unchanged: B.P., £45; white seal, £42; red seal, £41, delivered.

COAL-TAR PRODUCTS, ETC.—Conditions in this market continue generally steady, the only change to note being an advance in the quoted price for pitch. ANILINE OIL is unchanged at 8d. per lb., carriage paid, packages extra. ANILINE SALT continues at 8d. per lb., carriage paid, packages extra. BETANAPHTHOL is unchanged at 10d. per lb., carriage paid for quantities. CARBOLIC ACID CRYSTALS are in

good demand at 6½d. per lb. carriage paid or f.o.b., in drums with over-casks for minimum five-ton lots; crude 60's, 1s. 11d. to 2s. per gallon, naked at works. CREOSOTE OIL continues dull with prices unchanged; ex works, 4½d. to 4½d.; f.o.b., 6½d. per gallon, in bulk quantities. CRESYLIC ACID is unchanged: pale 97/99 per cent. American specification, 2s. 2d. to 2s. 3d. per gallon, f.o.b., drums extra; darker grades, at cheaper prices. NAPHTHALENE continues quiet with prices unchanged; imported flakes and balls, £15 12s. 6d. to £15 15s. per ton, in cases, ex wharf. METHYL ALCOHOL is unchanged with the market still unsettled; quoted at about £45 per ton, in drums, ex store. PYRIDINE continues nominal at 3s. 9d. to 4s. 3d. per gallon, f.o.b. TOLUOL is in fair demand; commercial 90's, 1s. 9d.; pure 1s. 11d. per gallon, at works. XYLOL is unchanged with the market quiet; commercial, about 1s. 10d.; pure about 2s. per gallon, ex works. PITCH has been advanced on quotation with the market still quiet; f.o.b. East Coast 33s. 6d. per ton.

Fixed Oils, etc.

QUIET markets continue, but the tone is steadier after the weakness and lower prices recorded last week. Linseed and palm oils show a recovery. American turpentine closes firm at improved prices. ACID OILS.—Prices are irregular, with the market dull: coconut/palm kernel, 32s.; ground nut, 30s. 3d.; soya, 28s. spot. CASTOR.—Market is dull, with prices unchanged: pharmaceutical, 49s. 6d.; first pressings, 44s. 6d.; second pressings, 42s. spot. COCOSUT.—This market is dull: deodorised, 39s. 6d. spot; Ceylon, 36s. c.i.f.; Cochin, 42s. c.i.f. COTTON.—Business remains slow: deodorised, 36s. 6d.; common edible, 34s. 6d.; soapmaking, 32s. 9d.; crude, 29s. spot. GROUND NUT.—Market quiet, with prices unchanged: deodorised, spot, 43s. 6d.; crude Oriental, 35s. c.i.f. PALM KERNEL.—Very slack: deodorised, 44s.; crude, 34s. spot. PALM.—The market is much steadier and there is a little more business moving; prices for all grades show a recovery: Lagos, 32s.; softs, 31s.; mediums, 32s. 3d.; hards, 32s. 9d.; bleached, 34s. spot. RAPE remains quiet: refined, 45s.; crude, 43s. spot. SOYA is dull: deodorised, 39s. 6d.; crude, 32s. 6d. spot. LINSEED (raw, naked).—Prices for all positions show an appreciation on the week: on spot, 29s.; June, 28s.; July-August, 28s.; September-December, 28s. 1½d.; January-April, 28s. 6d. Boiled oil, spot, 33s. Hull, on spot, 28s. 10½d.; June-August, 28s. 4½d.; September-December, 28s. 3d. TURPENTINE.—The market firmed up to about 44s. 6d. on the spot, and the undertone is fairly steady. The spot value is now 45s. 3d., with June quoted 43s. 6d., and July-December 42s. 3d. Owing to the much freer landings, deliveries last week were considerably larger at 2,253 barrels. This makes an aggregate since January 1 of 42,655 barrels, against 43,902 barrels for the same period last year. Stocks were 7,279 barrels, and with landings amounting to 5,691 barrels and the afloats at 5,830 barrels, the London visible supply made up at 18,799 barrels. This compares with 26,784 barrels at the same date last year. There is little alteration in the RESIN market, in which business has been restricted. C.i.f. terms for shipment from America are as follows: B/D 17s. to 17s. 3d., E 17s. 6d., F/I 17s. 9d., W/G 19s. 1½d., and W/W 20s. 6d. Terms ex wharf command the usual premium over these figures. WOOD.—Hankow, in barrels, on spot remains quiet at 72s.

LUBRICATING, MINERAL, BURNING OILS, ETC.—After the various changes in price recorded in our last report, this market shows little or no change this week. Lubricating oils continue firm and active. BENZOL is firm on an active market; standard motor 90's, 1s. 8½d. to 1s. 8½d. per gallon, ex works, in tank wagons; ex London works, 2d. per gallon dearer. FUEL OIL is unchanged: 950 gravity, £3 3s.; 890 gravity, £3 17s. 6d. per ton, ex tank; slightly cheaper forward. PARAFFIN OILS continue firm with prices unchanged; American standard white, 1s.; water-white, 1s. 1d. per gallon, in barrels, ex wharf. PARAFFIN WAX AND SCALE continue unchanged; wax is quoted at 2½d. to 4½d. per lb., according to melting point, in bags; scale is offered for shipment at about £17 10s. per ton, c.i.f. London. WHITE OILS are in fair demand; special No. 1, £23 7s. 6d.; No. 1, £23; No. 3, half-white, £20 10s.; No. 4 half-white, £19 15s. per ton drums and barrels free, ex wharf. SOLVENT NAPHTHAS continue unchanged with the market steady for 90/160 at 1s. 2d. per gallon, naked at works; heavy 90/190 remain quiet at 1s. per gallon. PETROLEUM JELLIES are quiet with prices unchanged: white to snow white, £35 10s. to £47 10s.; amber and yellow, £17 15s. to £22; dark stiff green, £11 12s. 6d. per ton, barrels free, ex wharf. LUBRICATING OILS continue firm and active. Spot: pales, £10 7s. 6d. to £33 10s.; reds, £11 10s. to £33; dark cylinders, £14 12s. 6d. to £39; filtered cylinders, £23 5s. to £42, as to quantity per ton, less 2½ per cent. OLIVE in 40-gallon barrels is quoted 6s. per gallon on the spot, with the forward quotation at 5s. 10d. c.i.f.



Letters for this section should be written on one side of the paper only. Correspondents may adopt an assumed name for purposes of publication, but must in all cases furnish their real name and address to the Editor.

Two Elections

SIR,—Will you please allow me to offer my sincere thanks to all those who contributed to my re-election as a member of the Council of the Society? I regret my thanks are belated from stress of circumstances. I should like also to say how much I have appreciated all the kind letters I have received, of encouragement and, alas! sympathy, in connection with my parliamentary contest. I regret, very much, that I have no present opportunity of serving pharmacy in that important sphere.—Yours faithfully,
F. GLADSTONE HINES.
York.

Pharmacy in South Africa

SIR,—May I be permitted to supplement the letter of Mr. W. H. Saunders, appearing in your issue of April 20? Chemists holding the British qualification whose names appeared in the registers of Chemists and Druggists issued by the Pharmacy Boards of the various Provinces forming the Union were, on January 1, 1929, automatically transferred to the register of the South African Pharmacy Board. After that date, the British qualification is not registerable in the Union of South Africa, unless held by a British subject, who (a) having been born in any part of the Union, or (b) being domiciled in the Union when he commenced his pharmaceutical studies, and having proceeded therefrom for the purpose of prosecuting those studies, has obtained the prescribed certificate. Any such applicant may be registered as a chemist and druggist, without examination, by the Board. The Governor-General "may . . . after considering any recommendation of the Board, prescribe, by regulation, the certificates of . . . an examining authority outside the Union, which when held . . . by any person described in subsection (1) . . . shall entitle the holder to be registered as a chemist and druggist. Provided that (a) such diploma or certificate has been granted after examination, (b) the Board is satisfied that such certificate indicates a standard of general and pharmaceutical education not lower than is prescribed by the Board for Chemists and Druggists within the Union." At a meeting of the executive committee of the S.A. Pharmacy Board held on April 12, it was agreed, in the regulation under Section 23 (quoted above), under which the certificate of the Pharmaceutical Society of Great Britain would be recognised for registration, to add the following proviso:—

"Provided that the applicant possesses the certificate of the Joint Matriculation Board of the Union of South Africa, or its equivalent, or, in the case of an applicant whose apprenticeship or training commenced prior to the coming into operation of Act No. 13 of 1928 (i.e., the Union Pharmacy Act), such other certificate in general education as would have entitled him to admission to the examination held by any one of the Pharmacy Boards then existing in the Union, or by the Medical and Pharmacy Council of the Orange Free State."

It was further agreed that a copy of the regulation be forwarded to the Pharmaceutical Society of Great Britain, with a request that the attention of students coming from South Africa be directed to its terms. This resolution was taken with the view to preventing South African students who do not possess the Matriculation certificate from proceeding to Great Britain, and obtaining a certificate of a chemist and druggist on a lower standard of general education, and then returning to South Africa and claiming registration. The question of reciprocity with Great Britain has not, as yet, been considered by the South African Pharmacy Board. As to the advisability of immigrants coming here, I think, with Mr. Saunders, that it is not advisable. As to the local supply of students, I may state that at the examinations held this month there were eighty-three entrants for the

Preliminary Scientific examination and forty-three for the Qualifying examination. It will take some time to absorb these.—Yours faithfully,

FRANCIS CARTER, Ph.C.,

Member, S.A. Pharmacy Board.

Bloemfontein, O.F.S.

Right Buying

SIR,—The problem of buying is undoubtedly of first importance in the successful conduct of a retail business. Real success often depends on a natural gift; some men seem to have an instinct as to which goods will command a ready sale, others are fairly successful by dint of care, whilst a third class more or less muddle through and achieve a bare living. In these days when new goods come on to the market almost daily, it is extremely difficult to know when to invest in them. The advice given in the article on "Buying" (*C. & D.*, June 1, p. 655) to order a quarter of a dozen and display them on the counter is good. But on the other hand, these quarter-dozen mount up, and when they do not sell fairly rapidly it will be found at stocktaking time that there is a list of ones and twos of new lines to be added to the stock sheets, and the goods find the way to the shelf or cupboard of antiquities, which unfortunately is familiar in most pharmacies. One can hardly have a sale of these oddments or job them off as is done in other trades; so it would seem that for the small man the safest course of action is to have only one in stock and to repeat when sold, or to obtain to order at first. The really difficult point to decide is whether one is losing more by having slow-moving stock than by missing an occasional customer. One system is to have an inquiry book in which can be noted the inquiries for articles not in stock or goods obtained to special order; a review of this list periodically will show if certain lines have been noted two or three times and how frequently. The practice of travellers holding a reception at a local hotel is not quite dead.—Faithfully yours,

WATCHFUL (11/6).

The Writing of Prescriptions

SIR,—In the note on "Signing Insurance Scripts" (*C. & D.*, June 1, p. 649) "Observer" quotes the regulation which requires an order for drugs and appliances for an insured person to be signed by the practitioner with his own hand. There is nothing, however, which requires the names of the ingredients or items to be written by the prescriber; there is here a loophole for irregularities, for it would be possible for a practitioner to sign a few blank forms and leave them with his dispenser or other person to fill in with the prescription. In this case the writing of the body of the script would be obviously different from that of the signature, and as such would certainly be recognisable at the pricing bureau: would it be the duty of the officials to raise any inquiry as to the actual writer? Similarly in the case of D.D.A. prescriptions, these must be in writing and signed by the person issuing them with his usual signature; this wording does not actually say that the prescriber shall write the whole prescription, although this may be the intention; would it be the duty of a chemist to refuse to dispense such a script, where although he was satisfied with the genuineness of the signature he could see that the formula itself was in another hand? These are details which are a constant source of trouble to the chemist who dispenses the scripts, as he can never be sure whether he is safe in the action he may decide on.

Yours, etc.,

SIGNED (3/6).

The Coding of Prescriptions

SIR,—In your interesting descriptive article in last week's issue, on "Some Dublin Chemists and Pharmacies," you touched on a matter very important to English chemists, in your reference to the achievements of the Dublin and Provincial Retail Drug Association. The reference: "The coding of prescriptions. is observed by members, and has tended very largely to remove the constant friction with the public, owing to variations in pricing." This constant friction, and the accompanying

hopeless argument in every English pharmacy, are too easily called to mind to require emphasis; and it seems unbelievable that the remedy lies in the hands of chemists themselves. In Ireland, at one time, the same state of affairs existed, and I can remember Mr. Victor E. Hanna starting out on his crusade of prescription coding, with the ultimate success described in your paragraph that I have quoted. In Northern Ireland, at a later period, the same success was achieved by the North Irish Pharmacists' Association, and the Ulster Retail Drug Trade Association. The removal of all occasions for fruitless argument has not been absolute. These exceptions are due to the laxity of English and Scottish chemists with regard to lack of coding, and an inadequate scale of charges. I have lively recollections of visitors to the Emerald Isle "holding forth" when they found that prescription-charges were higher. Perhaps from this comment the chemists of Great Britain will gather that their present attitude to prescription-prices has more than a local effect, owing to the travelling habits of the public. A definite scale of charges (based on actuarial figures) and a code word, should be adopted. It is necessary to have these charges arrived at by experts. These should not be difficult to find, as the two systems advocated in the *C. & D. Retail and Dispensing Price List*, provide independent figures. The general and faithful use of these systems is urgently required, and it is only by association, enthusiasm and loyalty that the desired end can be achieved.—Yours faithfully,

ARKAY (12/6).

Legal Queries

J. T. (11/86).—The customary notice in the drug trade is one calendar month; however, you do not state on what grounds you were discharged by your employer.

G. H. (7/86).—The fate of the second Finance Bill is as yet undecided, consequently holders of off-licences are, as heretofore, not permitted to sell single half-bottles of spirits.

Chemical (4/86) bought a business for cash, but did not take over the book debts or liabilities. Have wholesale firms a claim against "Chemical" for business debts contracted by the previous owner of the business? [No.]

N. F. W. (6/86).—Prescriptions calling for "dangerous drugs" must be signed in ink, since Article 8 (2) of the Dangerous Drugs (Consolidation) Regulations, 1923, specifies that the prescription must be "in writing and signed by the person giving it with his usual signature and dated by him."

G. H. (7/86) and his sister live with an aunt who keeps house for them. The aunt has a private income of 10s. weekly. Can "G. H." claim an allowance for maintaining his aunt? [Yes, dependent relative allowance of £25 will be granted to any taxpayer who maintains at his (or her) own expense any person being a relative who is incapacitated by old age or infirmity from maintaining himself or herself, provided that the dependent's own income does not exceed £50 per year.]

J. E. O. (29/85) has issued a County Court default summons against two partners in a firm suing them in their individual names. There is some difficulty in serving the summons upon the partners personally; is it permissible to serve it in some other way? [We presume that, so far, only the bailiff has made efforts to serve the summons, in which case we suggest that "J. E. O." should apply to the Court for permission to serve the summons himself. If he fails in his attempts to effect service he should then apply to the judge for leave to resort to "substituted service" by registered post or in some other way. It may be advisable for "J. E. O." to employ a solicitor. If personal service can be effected upon one of the partners it is possible to proceed against that one partner only, assuming that the debt is due from the firm; but, in the circumstances, it is advisable to serve the summons on both partners so as to avoid difficulty in enforcing the judgment.]

Miscellaneous Inquiries

When samples are sent particulars should be supplied to us as to their origin, what they are, what they are used for, and how. We do not undertake to analyse and report upon proprietary articles nor to publish supposed formulas for them.

N. A. (4/68).—LIQUID DRY SHAMPOO.—See *C. & D.*, February 23, p. 248, and *C. & D.*, 1927, II, 410.

C. B. (3/6).—SPOTTED LIVER IN TURKEYS.—There are so many diseases of the liver that a microscopical examination by an expert is advisable. The trouble may be calcareous torpidity of the liver, tuberculosis, or a form of leukemia; the disease appears to be hereditary, or young birds could not develop it in such a short period or show such a changed condition in the liver tissues. If the birds are badly infected it would be advisable to kill them off. Clean out and disinfect every part of the premises, at least twice within three months; lime wash stands pre-eminent for such cases. Turn over the soil, or remove it altogether and replace it with new; let a few months elapse before again putting in stock. Usually treatment is of no avail, and it is more profitable to exterminate the flock and start afresh in new premises and ground. The supposed prevention and cure are to avoid fatty food, give healthy surroundings, green foods and sharp flint grit to aid digestion. A little mag. sulph. should be added to the drinking water (from $\frac{1}{4}$ to 1 grain per animal). Ipecacuanha has a marked effect, and may be given in the form of powder or tincture, a small teaspoonful for 20 birds.

D. S. L. (7/68).—BALL-ROOM FLOOR POLISH. — See *C. & D.*, 1928, II, 362.

Strophanthus (5/68).—USING HENNA.—The powder is generally applied to the hair in the form of a thin paste as hot as can conveniently be borne. About 7 oz. of the powder is required. The paste is prepared by mixing the henna with sufficient nearly boiling water on a water bath, on which it is allowed to stand for about ten minutes so that the colouring matter may be extracted before being applied to the hair. The mixture must not be allowed to boil. The paste is applied secundum artem, and the head covered in a paper turban. The length of time the pack is allowed to remain thus is important and depends on the nature of the hair, its original colour and the colour desired. Before and after applying the paste the hair is shampooed.

A. A. S. (29/58).—FROTHING IN ACCUMULATORS.—Oleic acid and a little soap solution have both been recommended for preventing the frothing of accumulator acid. The trouble is probably due to impurities in the celluloid case, and a more satisfactory method of dealing with the trouble is to charge the accumulator, empty away the acid, and refill with fresh acid of a specific gravity similar to that discarded.

Retrospect of Fifty Years Ago

Reprinted from
The "Chemist and Druggist," June 14, 1879

Drawing the Long Bow

On May 26 nearly a column of "The Times" was devoted to an extract from the "Brisbane Courier" of January 11, which described in glowing terms a discovery alleged to have been made by a Signor Rotura. This gentleman asserts that he has discovered a South American vegetable poison named *woolara* [*ouvari* or *curare*?] which has the power of perfectly suspending animation till another vegetable product obtained from an *astrachalis* [*astragalus*?] is administered. A most circumstantial account is given of some experiments which have been tried. Among others, we are told the woolara was injected into fourteen sheep, four lambs, and three pigs, which were stacked in a heap in a freezing chamber to prevent decomposition. They remained nineteen days in the trance. A lamb was then taken out, immersed in warm water to raise the body to blood heat, and the antidote injected. Artificial respiration was resorted to, and in ten minutes the animal was struggling to free itself, and when released skipped away as if nothing had happened. . . . We need hardly say that this story requires far more confirmation than it has yet received.



[Commenced C. & D., July 5, 1924]

Red Oil.—See Sulphoricinoleic Acid.

Reflectors.—The modern lighting requirements of the chemist's shop necessitate that reflectors shall be used in both the shop and window, to ensure the elimination of any glare or dazzle element. For interior use the most suitable reflectors are the totally-enclosed bowls of translucent glass. They may be of the semi-indirect or totally indirect type. The former have tops of clear glass which enables the light to be reflected from the ceiling, with the lower part of white translucent glass to screen the electric lamp from view. The totally indirect type is made entirely of translucent glass and provides a soft, even illumination without either shadow or glare effects. Inverted reflectors with open tops are also obtainable, but these are not so satisfactory, as they need frequent washing, for dust quickly collects inside and reduces the efficiency of the light. The old type of reflector fitted above the lamp bulb is no longer recommended for shop lighting. For use in the window there are several types of reflectors, made of silvered glass, metal, or aluminium. The glass and metal varieties generally have a coating of dark green or copper colouring on the outside, and a bright highly polished surface inside which amplifies the light and reflects it in the direction desired. One type of window reflector fits into a collapsible cup, which enables the light to be directed instantly in any desired direction without removing the reflector from its fitting. Another modern type of reflector for window use is made on the refractory principle. This enables the light to be more effectively concentrated in a given direction, and is particularly suitable for small shop windows or show-cases. In order that the reflectors may not have a distracting influence on the display, it is imperative that they shall be concealed from the view of passers-by, either by fixing them above the transome rail, so that they are screened by the lead lights or copper glazing above the display section of the window, or, if the window has no transome, by fitting a cloth pelmet so as entirely to conceal the reflectors from view. For use in return windows or in any positions where the glare of the lamp filament may be visible, totally-enclosed prismatic reflectors are to be recommended. These are fitted with refracting bottom screens which reduce the area of reflected light to a smaller diameter, and prevent the actual source of the light from producing a dazzling effect.

Refraction Hospital.—This institution was established as a result of a movement within the Institute of Ophthalmic Opticians, and the premises at 58-60 Newington Causeway, London, S.E.1, were officially inaugurated on February 22, 1923. The practice of the hospital is confined to subjective and objective methods of sight-testing and to clinical observation and recognition of any sign which may be indicative of the presence of ocular disease. A patient whose condition presents evidence of the latter is referred elsewhere for treatment. There is no in-patient department. Students and others desirous of practising at the institution can obtain further particulars on application to the secretary at the above address. The scheme is now beyond the experimental stage and has proved so successful that branches have been opened at Leeds and Glasgow.

Refractive Indices.—Theoretically, the term "refractive index" indicates the ratio of the velocities of light traversing two different media, which ratio is identical

with the ratio of the sine of the angle of incidence to the sine of the angle of refraction. The expression is, of course, relative, as it refers to two different substances, but in practice the expression means the refractive index as between air and the given substance. Of recent years the value of the refractive index as a factor in the examination of numerous substances has become of the greatest importance to the analyst. This importance was, against much opposition, insisted on by E. J. Parry and by Lewkowitsch, and their earliest works contained numerous figures, which are now endorsed and augmented by other workers. To illustrate the value of the refractive index in analysis we may take a number of concrete examples: (1) Tables have been prepared with the determinations for sugar solutions of all strengths, so that, if one is dealing with a solution of sugar in water, its strength can be determined in half a minute by the determination of its refractive index, and this, of course, is true for many other bodies. (2) The difficulty of determining the percentages of a mixture of ethyl and methyl alcohol is enormous in the ordinary way. The refractive indices, however, of the two alcohols are very different. Thus, if the specific gravity indicates a strength of, say, 50 per cent. ethyl alcohol, and the refractive index agrees with this, methyl alcohol is absent. Whereas if the refractive index does not so agree, the amount of methyl alcohol present can be approximately calculated. (3) During the past few years numerous cases of essential oils have been imported from countries where alcohol pays no duty, and have been found on arrival to contain alcohol. This fact, together with an approximate determination of the amount of alcohol present, can be decided by washing the oil with brine (which removes the alcohol) and taking the refractive index of the original oil and of the washed oil. If alcohol be present, the washed oil will give a definitely higher refractive index than the original oil. (4) As a constant in the examination of both fatty and essential oils, the refractive index is of the greatest value. This is principally so in the case of essential oils, where the differences between given oils are considerably more marked than in the case of fatty oils. For example, oils of the terpene class, such as lemon oil, have refractive indices round about 1.4750, whereas oils of the class containing sesquiterpenes and similar bodies have refractive indices of 1.500 and over. For actual figures, of course, the textbooks on the various bodies should be consulted. It should be remembered that the refractive index varies with the temperature, approximately (but differing with different substances) being lower by 0.0004 for each rise of 1°.

Refractometers.—There are several types of instrument by which the refractive index can be determined. For scientific observations of the highest accuracy an instrument of the Pulfrich type is used, but for ordinary work one of the type known as the Zeiss-Abbé refractometer is used. The earlier form of this instrument gave a reading known as a "refractometer number," an arbitrary figure used by analysts examining fatty oils. To-day, however, the modern instrument records the absolute refractive index, which is the only figure recorded by the essential oil analyst. The method of measurement is based upon the observation of the position of the border-line of the total reflection in relation to the faces of a prism of flint glass, into which the light from the substance under investigation enters by the action of refraction. The refractometer is composed of the following essential parts:—(1) The double Abbé prism which contains the liquid to be examined between its faces and which can be rotated on a horizontal axis; (2) a telescope for observing the border-line of the total reflection which is formed in the prism; (3) a sector rigidly connected with the telescope on which the divisions, representing the refractive indices, are engraved. In practice the observer opens the prisms, places a few drops of the oil between them, closes them, observes the temperature, and, having focused the telescope, moves the sector until one-half of the field, as indicated by cross lines, is dark and the other illuminated. The refractive index at the given temperature is then read off. The value of the refractive index in essential oil analysis is accentuated if the oil be fractionally distilled and the refractive index of the various fractions determined. For

The C.&D. Commercial Compendium

example, in the ordinary way the refractive index rises with the boiling point of the fraction. But where open chain compounds have been used to adulterate oils composed of closed chain compounds, this may not be so. It was in this way that glyceryl acetate was first discovered as an adulterant of essential oils. Glyceryl acetate is an open chain compound of high specific gravity and high boiling point. It was found in the last fraction of an oil which should normally have had a higher refractive index than any of the preceding fractions, but showed a lower refractive index. This fact called for further examination and the adulteration was then detected.

Refreshments, sale of.—Among the exemptions from the provisions of the Shops Acts is the sale of meals and refreshments to be consumed on the premises where they are sold.

Refrigerants and Refrigeration.—See Cold, to produce.

Register.—The so-called Register of the Pharmaceutical Society of Great Britain really comprises three registers, containing respectively the names of (1) pharmaceutical chemists, (2) chemists and druggists (including most of the pharmaceutical chemists), and (3) superintendents and managers of company shops. The registers are maintained under the Pharmacy Act, 1868, Section 9. The Register is evidence in a court of law of the qualification of any person, and if a pharmacist's name is not on the Register he is wise to take steps for restoration. Rectification is made periodically, and in case of the return of registered letters from any address a person is liable to be struck off after due publication of his name (Sec. 10). No person is entitled to keep open shop unless his name is on the Register. All changes of address should be notified by letter to the registrar, otherwise no variation is made. The Register must be on exhibition at the annual general meeting of the Society. The two chief Pharmacy Acts of Ireland and that of Northern Ireland (q.v.) contain similar provisions as to registers and registration: in the case of Northern Ireland, the registrar is required to keep five separate registers, including one of apprentices to pharmaceutical chemists. (See also Registrar.)

Registered Stock or Shares.—Securities, the title to which is furnished by the appropriate certificate of ownership furnished by the company, production of which is required in the event of any sale or transfer.

Registers, Cash.—In many shops an automatic method of recording cash paid for dispensing service, or for goods sold over the sales counter, is found preferable to the employment of a cashier or a cash desk. Cash registers which adequately perform this function are now available for retail business in several varieties, ranging from a simple model, which merely records cash received and paid out, to the device comprising receipt-issuing till and total adding register, which automatically adds the sales, issues a printed receipt and provides a complete history of the day's takings for the proprietor. Cash registers are operated by means of the pressure of keys indicating the value of the payment tendered. With the latest types, the money is counted at least five times, and four records of the exact amount of the sale are printed at the same time as the cash is placed in the drawer. In the first place, it is indicated in large letters at the top of the machine on both the customer's and assistant's side of the counter. It is printed twice on a perforated stub ticket, half of which forms the customer's receipt, while the other half is retained by the assistant for checking purposes, and the same particulars are also recorded on a cash roll specially attached to the machine. When the lever is set and the amount keys and the assistant's initial key are pressed, an electric motor operates the register and causes it to do thirteen things almost instantaneously. It removes the indication of the previous sale, and replaces it with a new indication figure, showing the amount and kind of sale—whether cash, cheque or credit and so on. It rings a bell which demonstrates the fact that the machine is being operated, un-

locks the cash drawer and throws it open automatically. At the same time, the amount of the transaction is added on to the proper reel counter, which, if necessary, can be adapted to give different totals according to the sections of the business. It adds all the money taken into one total and prints on the detail-strip the amount, kind, and consecutive number of each sale, and any other specific details desired. By this means the chemist is able to ascertain in a few moments exactly what sales have been made or cash received in a given period. The bigger types of machines are electrically operated and need no additional fittings for this purpose, being merely plugged on to the existing lighting installation, the motors supplied with the registers being specially built to suit the current of the establishment in which they are installed. Cash registers may be obtained in varying sizes according to the trader's requirements, and both the type and size must be governed to some extent by the amount of counter space available, the number of assistants, the extent of the particulars desired to be recorded, and the amount which the retailer is prepared to spend.

Registrar.—The Pharmaceutical Society of Great Britain appoints a registrar under the Pharmacy Acts of 1852 and 1868, to keep the Registers, and his duties are defined in Section 10 of the latter Act. Notice is sent periodically from the boards of examiners under the Pharmacy Acts giving the names of such persons as are entitled to registration. Prosecutions under the Pharmacy Acts not included in the "common informer" clause of Section 17 are taken under his authorisation. The appointment is an annual one, on the first of June (or in practice at the first meeting of the Council in that month). The position, being a legal one, is subject to penalty should the registrar fail to carry out the duties prescribed in the 1868 Act. Similar provisions govern the administration of the Pharmacy Acts in Ireland and Northern Ireland by the respective Pharmaceutical Societies of those countries. (See also Register.)

Registrar-General.—Title of an official who presides over the General Register Office in London, Edinburgh, or Belfast. The national registration of baptisms is believed to have been introduced by Thomas Cromwell in 1538. The Births and Deaths Registration Act, 1836, put the recording of these events on a permanent basis for England and Wales; the first report of the Registrar-General in London covered the twelve months July 1837—June 1838, but before long his reports were made to coincide with the ordinary January-December year. After 1920 the title of the annual summary was changed to "The Registrar-General's Annual Statistical Review," and the publication was divided into three parts appearing at intervals. The Registrar-General has been of late years an official of the Ministry of Health; the present holder of the office is Mr. S. P. Vivian, C.B. Consolidating legislation on the subject of national and local registration was passed for England and Wales in 1874; for Scotland in 1854; and for Ireland in 1880. The Registrar-General for each division of the United Kingdom is responsible for the taking of the decennial census; his annual summaries include statistics of fatal poisoning accidental and suicidal, which are analysed in THE CHEMIST AND DRUGGIST.

Registration of Business Names.—See Business Names.

Registration of Companies.—See Companies, Registration.

Remainder.—An interest in land or other property which will not be enjoyed until after the existing interest of some other person has ceased is called a remainder. For example, if property is left to A for life and afterwards to B, B's interest in the property during A's lifetime is said to be a remainder. A remainder is described as "vested" if it is certain to take effect when the existing interest in the property ceases, and "contingent" if its operation is dependent upon an event which may never happen. (See also Reversion.)

The following letter from a well-known Doctor is of interest
to Pharmacists:

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CHEMISTS AND DRUGGISTS

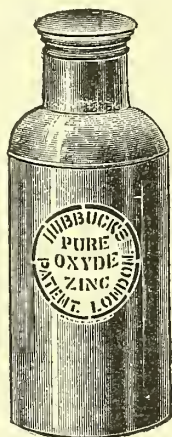
Druggists' Sundriesmen.
Dealers in Surgical Instru-
ments, Dental, Optical,
and Photographic Goods,
Perfumery and Assay and
Mining Requisites. Con-
tractors to Hospitals and
Public Institutions.

AGENCIES UNDERTAKEN

London Office:

12-14 LAFONE ST., LONDON, S.E.1

'Phone: HOP 5534.



Hubbuck's Pure Oxide of Zinc

is made by sublimation, and is
warranted to contain upwards of

99.9 PER CENT.

of pure oxide; in fact, the
impurities are not traceable.

Thos. Hubbuck & Son, Ltd.

ESTABLISHED 1765

24 Lime Street, London, E.C.3

MANUFACTURERS OF WHITE LEAD, WHITE
ZINC, PAINT, OILS, COLOURS, VARNISHES, &c.

Australian Office : 34 Queen Street, Melbourne.

*Sold by the following Wholesale Druggists
in Boxes of 7 lb. and 14 lb. stamped by
the Manufacturers ; also in 1-lb. Boxes
and 1-lb. Glass Bottles :*

| | |
|-------------------------------------|---|
| Allen & Hanburys Ltd. | Hodgkinson, Prestons & King |
| Ayrton, Saunders & Co. Ltd. | Horner, L.A., & Sons |
| Bell, Jno., & Co. | Huckisson, H. O., & Co. |
| Bleasdale Ltd. | Lofthouse & Saltmer Ltd. |
| Boots Pure Drug Co. Ltd. | Mackay, Jno., & Co. Ltd. |
| British Drug Houses Ltd. | May, Roberts & Co. Ltd. |
| Burgoyne, Burdidges & Co. | Oldfield, Pattinson & Co. |
| Butler & Crispe Ltd. | Pinkerton, Gibson & Co., Ltd. |
| Clay, Dod & Co. | Potter & Clarke Ltd. |
| Cockburn & Co. Ltd. | Raimes, Clark & Co., Ltd. |
| Corbyn, Stacey & Co. Ltd. | Raimes & Co. |
| Dakin Brothers | Rankin & Borland |
| Duncan, Flockhart & Co. | Silversides, R. B. G. |
| Evans, Gadd & Co. Ltd. | Smith, T. & H. Ltd. |
| Evans Sons Lescher & Webb Ltd. | Soutball Bros. & Barclay Ltd. |
| Ferris & Co. | Sumner, R., & Co. |
| Gale & Co. | Taylor, Jas. (Tringate,) Ltd. |
| Glasgow New Apothecaries Co. | Thompson, John, Ltd. |
| Goodall, Backhouse & Co. | Wilkinson & Simpson Ltd. |
| C.R. Harker, Stagg & Morgan Ltd. | Willows, Francis, Butler & Thompson Ltd. |
| Harkness, Beaumont & Co. Ltd. | Woolley, Jas., Sons, & Co. Ltd. |
| Hatrick, W. R., & Co. | Wright, Layman & Unney Ltd. |
| Hirst, Brooke & Hirst | Wyleys (Lim.) |

Barry, E. J., New York
Finlay Dicks & Co., New
Orleans
E. Fougere & Co.,
90/92 Beekman Street, New
York
Chas. L. Huisking, Inc., 5
Platt Street, New York
Lebn & Fink, Inc., N. York
McKeeson & Robbins, Inc.
New York

Muth Brothers & Co., Balti-
more
S. B. Penick & Co., Inc.
New York
Roller & Shoemaker, Phila-
delphia
Schieffelin & Co., Inc., New
York
Shoemaker & Busch, Phila-
delphia

Lofthouse & Saltmer

LTD.

HULL.

Manufacturers of **COMPRESSED TABLETS**

of perfect finish.
Guaranteed
made with purest
Drugs & Chemi-
cals. Quick and
complete disin-
tegration a spec-
ial feature—

Also Manufacturers
of

**GELATINE
CAPSULES**

machine made of
perfect ovoid shape
and completely and
readily soluble, con-
taining the purest
ingredients.



CUSTOMERS OWN FORMULAS FOR TABLETS OF
CAPSULES ACCURATELY PREPARED

*For lists of formulas and reasonable prices,
together with samples, please apply to—*

Lofthouse & Saltmer Ltd. Hull.

"Fruitie" Sulphur Tablets

The Sulphur Tablets of Distinction.

Three Flavours

**ORANGE, RASPBERRY,
LIME.**

Showcards and Cartons free with
28lbs. and over.

See the name "FRUITIE"
on every Tablet.

LET US QUOTE

**A. S. PRICE & CO. LD.
BLACKHEATH, BIRMINGHAM**

Chas. Zimmermann & Co. (Chem.) Ltd.**CHEMICALS****PHARMACEUTICAL : TECHNICAL : PHOTOGRAPHIC
ESSENTIAL OILS : GELATINES****SPECIAL MEDICAL PREPARATIONS****Preparation :**

Angiolympe (Dr. Rous)

Anusol (Goedecke)

ASTHMOLYSIN
(Dr. Weiss)

Bilival (Ingelheim)

Cadecchol (Ingelheim)

Camphogen (Ingelheim)

Chinosol (Original)

Devatol-A

IDOZAN (5% Fe)

Incitamin

Kathiolan (Marcussen)

Lobelin (Ingelheim)

LYSOL (Dega Brand)

Necaron (Ingelheim)

Pagenstecher's Eye
Lotion

Papain (Dega Brand)

PEBECO (Beiersdorf)

Pericholan (Ingelheim)

Posterisan

Subitol

Subitine

Targesin (Goedecke)

Terpichin

Veganin (Goedecke)

Zedeno

ORIGINAL — GENUINETRADE
MARK**CHINOSOL** BRAND

OXYQUINOLIN POTASSIUM SULPHATE

NEW PRICES & PACKINGS

Distribution arrangements have been entirely reorganised, and new standard PACKINGS and PRICES are now in operation. We hold ample stocks, and can immediately execute all orders.

MEDICAL : VETERINARY

POWDER and TABLETS

Detailed PRICE LIST sent on REQUEST**TERPICHIN**

A Non-Specific Agent for the Treatment of Various Skin Diseases.

BOXES OF 10 x 1 cc. AMPOULES.**9-10 ST. MARY-AT-HILL, LONDON, E.C.3**

Telegrams : Acidolan, Bilgate, London.

Telephone : Royal 1866 (4 lines).

JUNE BONUS ON **CASSELL'S TABLETS** **LACTOPEPTINE** **BEECHAM'S POWDERS**

WE beg to notify Chemists and Druggists that we have recently doubled our Press advertising appropriation for the above three lines, and are augmenting this huge Press campaign by house-to-house distributions throughout the country. With a view to stimulating interest in the handling and displaying of these lines, we offer between June 12th and 30th:—

**A BONUS IN THE FORM OF AN ADDITIONAL
10 % DISCOUNT ON ALL PURCHASES OF
THESE THREE PRODUCTS DURING THAT PERIOD**

COMBINED ORDERS : The above bonus offers are only allowed when included in the usual combined £5 or £10 orders for BEECHAM-VENO Preparations, either direct or through your wholesaler.

This Bonus only applies to above mentioned three products.

BEECHAM'S PILLS, LTD.
CHESTER ROAD
MANCHESTER

Use our LIVE service to increase your **PHOTOGRAPHIC SALES**

THE GREAT THING is to be able to replenish your stock with unfailing promptness.

You can rely upon the complete and quick execution of your daily order by sending it to HIRST, BROOKE & HIRST.

They carry one of the largest and most comprehensive stocks in the country and are Official Distributors of "Ensign" lines. They hold a full range of popular CAMERAS and SUNDRIES, also large supplies of all the well-known FILMS, PLATES and PAPERS, including IMPERIAL, ILLINGWORTH, RAJAH, WELLINGTON, AGFA, GEVAERT, PATHE and ILFORD.

NO WAITING.—Prompt delivery ensured by a fleet of motors.

Try HIRST, BROOKE & HIRST with your next photographic order.



**BIG ADVERTISING! BIGGER SALES!!
BIGGEST PROFITS!!!**

IRVING'S Yeast-Vite TONIC TABLETS

OUR NATION-WIDE ADVERTISING is creating an unprecedented demand, and Chemists throughout the United Kingdom are reporting as under:—

"Selling like hot cakes."

"Nearly sold out—send enclosed order at once."

"Wonderful Sales."

"Your Advertising is selling the goods as never before."

"Sales greater than ever."

LOOK at the profit on a Special 14 day Window Show Parcel. Sent Carriage Paid together with **BONUS** and **FREE Display Material**.

| | | COST. | SELLS. | | PARCEL (P.A.T.A.) |
|------------------------|-------|---------|--------|---------|-----------------------------|
| 6 doz. 1/3 size @ 12/- | | £3 12 0 | | £4 10 0 | } £5 |
| 1 " 3/- " @ 28/10 | | 1 8 10 | | 1 16 0 | |
| | | £5 0 10 | | £6 6 0 | |
| BONUS 12 only 1/3 | | free | | 15 0 | } 46% PROFIT ON COST |
| 2 " 3/- | | free | | 6 0 | |
| 30 days NETT | | £5 0 10 | | £7 7 0 | 30 days CREDIT |

PROFIT £2 6 2.

LATEST SHOW MATERIAL to link up with our huge Advertising sent **FREE** and **POST FREE** State whether required for Small, Medium or Large Display.

IMPORTANT.—Our new Factory is in full swing, but we are taxed to the utmost in meeting all demands. Order NOW to avoid losing sales.

IRVING'S YEAST-VITE, LTD., WATFORD, HERTS.

Telephone:—WATFORD 1475 & 806 (5 lines).

Telegrams: YEAST-VITE, WATFORD, HERTS.

Dr. BENGUE'S BALSAM

RHEUMATISM, NEURALGIA, GOUT.

Dr. BENGUE'S ETHYL CHLORIDE.

Dr. BENGUE'S DRAGÉES.—EUPURGO.

PULMO (BAILLY).—FORXOL.—OPOBYL.

ANESTILE.—NARCOTILE.—HEMOSTYL.

LIPIODOL.—MUTHANOL.—ARHEMAPECTYL.

ENTERO ANTIGENS.—STAPHYLOTHANOL.

NEOPANCARPINE. RICARD'S CACHETS.

BENGUE & CO., LTD., MFG. CHEMISTS,
24 FITZROY STREET, LONDON, W.1.

Iglodine.

THE SAFE AND PURE ANTISEPTIC.

And its Kindred Preparations, are Dependable, Quick-selling and Profitable to the Chemist.

THEY SATISFY BUYERS AND BRING REPEAT ORDERS!

IGLODINE, the Ideal Home Healer, is Highly Recommended by the Medical Faculty, and Retails at 10½d., 1/6 and 3/- per Bottle. IGLODINE Specialities include—EMBROCATION, TOILET SOAP, OINTMENT, CREAM, THROAT TABLETS, SUPPOSITORIES, SHAVING STICK, PASTILLES, NASAL DOUCHE, SALICYLATED: Also FIRST-AID OUTFITS.

P.A.T.A. Photo-Litho Showcards. Window Display Scheme. Particulars and Prices from

THE IGLODINE Co., Ltd., NEWCASTLE-ON-TYNE.



'Petrolagar'

(Regd. Trade Mark)

The new style bottle for 'Petrolagar' Brand Emulsion contains precisely the same quantity as the former and affords more convenience to your customers. Order stocks from your wholesaler to-day to meet increased demand.

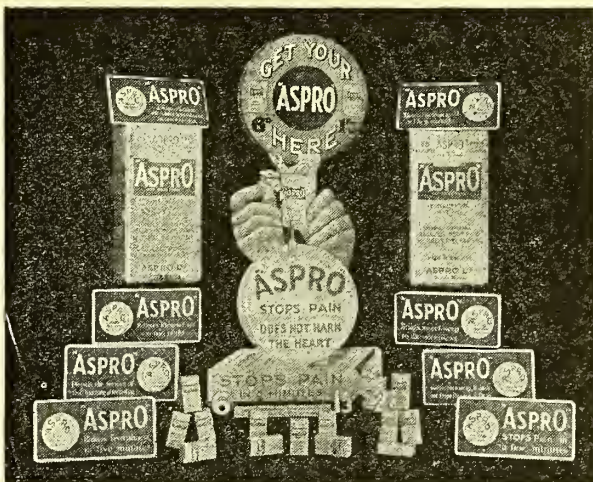
DESHELL LABORATORIES LTD., BRAYDON ROAD, LONDON, N.16
Phone: CLISSOLD 7572.

TRY AN 'ASPRO' WINDOW DISPLAY AND BUY ON BONUS TERMS

We are frequently pointing out the wonderful pulling power of the 'ASPRO' Window Display on account of its linking up with continuous and ever-increasing publicity. A test made of a display will interest all chemists who wish to increase their business.

'ASPRO' has a Tremendous Power to Build Up a Chemist's Business

A test will demonstrate what a great power 'ASPRO' Publicity is to help the Chemist. It is not only on account of the actual 'ASPRO' that it usually sells, but also on its great value in bringing customers into the Chemist's shop who would not otherwise have come in. Every time you put an 'ASPRO' window display in you connect up with a £200,000 continuous advertising activity just the same as if you put your own name at the foot of the advertisements. Why not write us for a window display to-day, also take advantage of the liberal bonus terms shown below whereby you can make an extra 17% profit?



SEND FOR ONE OF THESE DISPLAYS



Buy 'ASPRO' on Bonus Terms and Get 17% EXTRA PROFIT

Just have a look through your purchases of 'ASPRO' and you will find that you are in a position to buy on Bonus terms. Buying on Bonus terms means extra profit averaging 17% to you. So why not place your next order through your Wholesaler on Bonus terms?



WHAT THE BONUS IS

BONUS ON 10's

One Gross Order - Bonus 1 dozen packets.
Half Gross Order - Bonus $\frac{1}{2}$ dozen packets.
Half Gross 10's is minimum order accepted for Bonus purposes.

BONUS ON 25's

One Gross Order - Bonus 2 dozen packets.
Half Gross Order - Bonus 1 dozen packets.
Quarter Gross Order - Bonus $\frac{1}{2}$ dozen packets.
Quarter Gross is minimum quantity.

NO BONUS ON 60's

CONDITIONS

The conditions are, that upon receipt of each bonus the chemist undertakes to show 'ASPRO' Display matter in his shop window for 14 days, and to sell at advertised prices. Acceptance of bonus is considered as acceptance of these conditions. To qualify for the bonus it is not necessary for the chemist to buy both sizes at the same time, but single lots may be ordered—viz., 6 doz. 10's, or 3 doz. 25's.

[As 'ASPRO' is so extensively advertised, this Display will not only bring customers into the chemist's shop to purchase 'ASPRO,' but will enable the chemist to make other sales as well.]

HOW TO ORDER BONUS PARCELS

We do not sell direct to the Chemist, all our business going through a Wholesaler. Orders may be sent either to your Wholesaler or direct to us. If to us, state the name of your Wholesaler so that we may forward the order on, and the Bonus will be supplied direct by us.

ORDINARY PRICES for
UNSTAMPED 'ASPRO'
are as follows:

| | | |
|--------------------------------|---|------------|
| 6d. size containing 10 tablets | - | 4/6 dozen |
| 1/3 size containing 25 tablets | - | 11/6 dozen |
| 2/6 size containing 60 tablets | - | 21/- dozen |

Subject to
2½% discount
30 days.

NOTE.—
2/6 size contains
10 extra tablets.

'ASPRO' consists of the purest Acetyl Salicylic Acid that has ever been known to Medical Science, and its claims are based on its superiority.

Agents: GOLLIN & Co. Pty. Ltd. ('Aspro' Dept.), Slough, Bucks.

No proprietary right is claimed in the method of manufacture or the formula.

'Phone: SLOUGH 608

Antibody*Antigens*

SEROBACTERINS

Provide forces (antibodies) to battle the invading bacteria of disease while the resistant powers of the body are becoming mobilized.

They also provide a degree of immediate protection to those exposed in time of epidemics.

They reduce the toxicity of the antigen, reducing both local and general

reactions, and allowing larger doses to be given.

Thus they save precious time when resistance is lowest and reinforcement vitally needed.

Serobacterins also induce a state of active immunity at least as high as that caused by plain bacterins.

ACNE SEROBACTERIN MIXED
INFLUENZA SEROBACTERIN MIXED
NEISSER SEROBACTERIN MIXED



PERTUSSIS SEROBACTERIN MIXED
STAPHYLO STREPTO SEROBACTERIN MIXED
TYPHO SEROBACTERIN MIXED

H. K. MULFORD CO. LTD., London, W. I.

Regent Arcade House, 252 Regent Street

86631

The word

GONGLYT

IS THE REGISTERED PROPERTY OF

RAJA D. MAWNAY & COMPANY,
of 11 Broadway, Madras, British India

And NOTICE and WARNING is given that legal proceedings will be taken against any person who uses this word or any colourable imitation thereof in connection with preparations for the treatment of Venereal Diseases or goods of a like kind.

"GONGLYT" is a time-proved preparation of world-wide reputation.

Correspondents in Europe :

Messrs. ROBERT FERBER, Ltd.
Carlton Works, Asylum Road,
London, S.E.15

Messrs. C. R. HARKER, STAGG & MORGAN, Ltd.
Emmott Street, London, E.1

VINT'S



Unbreakable!
The only satisfactory
MENTHOL

Retail
6d., 1/- and 1/6

EVANS SONS LESCHER & WEBB LTD.

(1)

TWO Summer Lines

BELOW are mentioned two typical summer lines which pharmacists may recommend wholeheartedly. Each carries a good working profit, which can be expanded by buying either line on the special terms offered to pharmacists.

Hydrated Magnesia (P., D. & Co.)

A snow-white suspension of magnesium hydroxide in water. Free from preservatives or suspending agents. Does not easily separate. Mild and pleasant in taste. Sells easily as a mild laxative, as an antacid in heartburn, etc., for infants and as a mouth wash. A thoroughly satisfactory product in every way.

Antacid Lozenges (P., D. & Co.)

Contained in an attractive enamelled tin, which holds 48 well-made pink lozenges. Sells at the popular price of 1/3. Unique because they contain the powerful carbohydrate digestant, Taka-Diastase, as well as such well-tried ingredients as bismuth carbonate, magnesium carbonate, peppermint and ginger. Very pleasant in taste. A counter display usually brings sales without effort.



Hydrated Magnesia (P., D. & Co.) is sold in metal-capped bottles at the minimum retail prices of 1/6 and 2/6; the minimum wholesale prices being 12/- and 21/- per dozen respectively. Antacid Lozenges (P., D. & Co.) (M.R.P. 1/3) bear the minimum wholesale price of 10/2 per dozen. Special terms for either or both lines will be sent on request.

TRADE MARK. REGISTERED.

FOR
COUGHS.

**Owbridge's
Lung Tonic**

FOR
COLDS.

COST { 1 gross 1/3 size and
(c.w.o.) 1 doz. 3/- "
(carr. paid) £7 19 0

SELLING PRICE £10 16 0

PROFIT - £2 17 0

YOU RUN NO RISK

with a big stock
of this famous
remedy.

It is always in great
demand and quick
sales are certain.

Just hand it over
the counter and take
your profit.

PRICE PROTECTED AT FACE VALUE.

W. T. Owbridge, Ltd., The Laboratory, Hull.



Has remarkable drawing
power in removing un-
healthy matter from the tissues.

"ONZO" OINTMENT

Recommended for—CHILBLAINS,
CORN, SPRAINS, SEPTIC WOUNDS &
SORES, DRY OR WET ECZEMA, VARI-
COSE ULCERS, BURNS, BOILS, ETC.

"ONZO" 2/3 Jars. "ONZO" 1/3 Tins.
1 Dozen 21/- per doz. 12/- per doz. Cash
6 Dozen 18/10 " " 10/10 " " Discount
12 Dozen 18/4½ " " 10/6 " " 2½% 1 month
TRADE ENQUIRIES TO—

ONZO Ltd., 188 St. Vincent Street, GLASGOW.

THE VALUE OF

"YADIL"

is fully recognised by qualified judges, and it is certified
by eminent Public Analysts and Pathologists to be

:: :: ABSOLUTELY SAFE FOR :: ::
INTERNAL AND EXTERNAL USE.

It has been sold all over the world, and is being used
to-day "back of beyond" as well as in the homes of our
own country. Its sale is steadily increasing, old
customers are retained, while new ones are being added.
One or two displayed bottles will quickly establish
business which will prove profitable and regular. Any
assistance we can give in the provision of advertising
material is yours for the asking. The "Yadil" lines cover

"YADIL" ANTISEPTIC (LIQUID AND PILLS), "YADIL"
OINTMENT, "YADIL" PASTILLES and "YADIL" SOAP.

YADIL PRODUCTS (1925) LIMITED,
Sicilian House, LONDON, W.C.1.

HAY FEVER CAN BE VERY SUCCESSFULLY COMBATED WITH POLLANTIN

(A Serum discovered by Prof. Dunbar in 1903)

For literature and prices apply to the distributing Agents

WILLOWS, FRANCIS, BUTLER & THOMPSON, LTD.
89a SHACKLEWELL LANE, LONDON, E.8

Once Bitten Twice Spry

in applying the

MONSOL

BRAND

ANTI-BITE STICK

- ¶ Monsol Anti-Bite Sticks are put up in neat metal cases for the reticule or waistcoat pocket and are packed in attractive containers for counter display.
- ¶ Monsol Anti-Bite Sticks are impregnated with the famous Monsol Antiseptic Oils, affording complete protection against the bites and stings of poisonous insects.
- ¶ Monsol Anti-Bite Sticks are ready sellers at 1/-, giving large profits and quick returns.

MONSOL
LIQUID
GERMICIDE
sells at
2/- per bottle

MONSOL
THROAT
PASTILLES
sell at
1/6 & 2/9 per box

MONSOL
OINTMENT
sells at
2/- per pot

MONSOL
DENTAL
CREAM
sells at
1/- per tube

MONSOL
INTERNAL
CAPSULES
sell at
5/- per bottle



Have you got A FAIRY DYES' WINDOW CURTAIN?

Already throughout the country retail shops are displaying these window curtains to their great advantage. Not merely does it help them to sell Fairy Dyes and so add to their profit, it also forms a definite magnet of attraction and makes the passer-by stop and look in the window.

This is as it should be as Fairy Dyes want to help all round and while incidentally selling

more Fairy Dyes they want to see their customers prosper.

This is a helping hand—clasp it by sending to-day for a Fairy Dyes' window curtain.

It can be trimmed to fit your window and you will always be glad you took advantage of this offer. It comes to you free and post free, and is a gift you will really appreciate.

Fairy Dyes, LTD.
WELL ROAD, GLASGOW

London Depot: 292 UPPER STREET, ISLINGTON, N.1.



YOUR HANDICAP?

MAY BE HIGHER
THAN YOU CARE
ABOUT, BUT IT
WILL DISAPPEAR
IF YOU OBTAIN
YOUR SUPPLIES
FROM—

"NEWBERYS"
(F. NEWBERRY & SONS LTD)

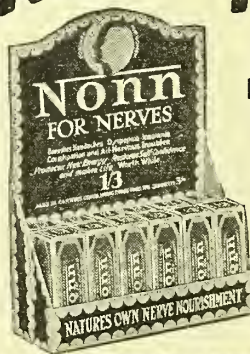
BECAUSE OF
LARGER PROFITS,
MORE LEISURE &
GREATER SATISFACTION.

CHARTERHOUSE SQUARE

CARDIFF LONDON, E.C.1 LIVERPOOL
13 Crichton Place 22 College Lane

**KEEP NONN
TO THE
FORE!**

Especially the 1/3 size.



Nonn Sales are increasing everywhere and Chemists are co-operating with our advertising. Are you? If not display the 1/3 size in one of these attractive containers. It is worth the Small Space it occupies for Nonn is a big success and sells readily.

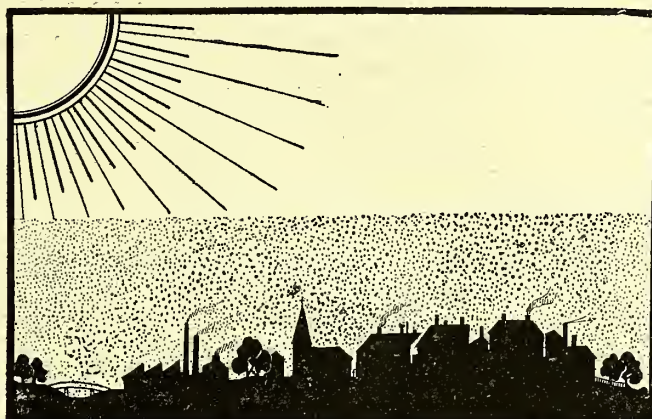
**Nonn FOR
NERVES**
RESTORES SELF-CONFIDENCE

Prices and Particulars:

NONN IS SUPPLIED IN RED CARTONS FOR MEN AND IN BLUE CARTONS FOR WOMEN

P.A.T.A. 1/3 per carton, Wholesale 11/3 per dozen
P.A.T.A. 3/- per carton, Wholesale 27/- per dozen

Sole Distributors: Proprietors of Nonn Ltd.
45 Gordon Square, London, W.C.



The Benefit of Sunshine

For a short time after your summer holidays you feel particularly well. This is the effect of the action of the sun's ultra-violet rays upon your body.

In your ordinary life the greater part of these rays does not reach you. This is due to the atmosphere in the big cities, to the fact that ordinary glass prevents the passage of these vitalising rays, and to other causes. That you can see the sun does not prove that its vitalising rays are reaching you.

City dwellers, therefore, stand in special need of Cod Liver Oil which never fails to provide a plentiful supply of active vitamins essential to the human organism if growth is to be promoted and rickets prevented. It supplies the elements you lack owing to want of sunshine.



NORWEGIAN COD LIVER OIL



The sale of Matte Real is an extra sale, not a substitute sale, therefore the profit is an actual one.

Chemists will find that a small display of packets on the counter leads to satisfactory results to their customers and to themselves.

Extra
Sales

No
Trouble

33 1/3 %
Profit

The interest in Dietetics makes it easy to introduce to your customers this INVIGORATING, DIURETIC, & PALATABLE BEVERAGE, for use in all cases of Gout, Rheumatism, Arthritis, Neuritis, Dyspepsia, Diabetes.

Call and obtain particulars of this product at Stand 52, Chemists' Exhibition.

TERMS:—

Cases containing the following sizes:

24 x 1/6

12 x 2/9

6 x 5/-

Carriage Paid.

1 Month.

less 33 1/3 %

Show Cards, Window
Bills, Circulars and
Handbills are sent
with each order.

Supplies can be obtained from
all Wholesalers or direct.

Special terms for original cases
containing—

400 packets @ 1/6
or 200 " @ 2/9
or 100 " @ 5/-

Peek, Bros. & Winch, Ltd., 20 Eastcheap, London, E.C.3

HONEY

CHOICE ENGLISH HONEY.

FINEST CALIFORNIAN WHITE CLOVER

Ditto in patent containers

NATURAL LIQUID HONEY, Tupelo, not clarified, natural non-setting Nectar, in Glass Jars,
1/2 lb. 8/6, 1 lb. 14/- doz.

1/2 lb. Glass Jars, 11/- doz., 1 lb., 20/- doz.

" " 7/6 " " 12/6 "

2 oz. 2/8, 4 oz. 4/3, 8 oz. 6/9, 16 oz. 11/-

Also French, New Zealand and Canadian Honey.

C. W. HARPER, 254 STOCKPORT ROAD, MANCHESTER

ESTABLISHED 1772

HENRY'S CALCINED MAGNESIA

Continues to be prepared with scrupulous care in the greatest chemical purity by

Messrs THOMAS & WILLIAM HENRY, 11, East Street, St. Peter's, Manchester.

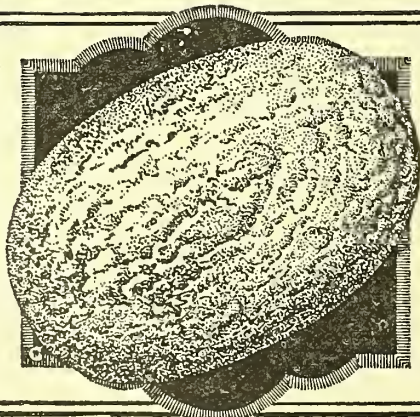
And is sold in Bottles authenticated by a stamp bearing their name

New York: Messrs SCHIEFFELIN & CO, William Street.

PRICE 2s. 9d

Trade Mark, "Henry's Calcined Magnesia"

Paris: Messrs ROBERTS & CO, 5, Rue de la Paix



Two thirds
actual size

Bath Rusks

Unsolicited testimonials daily for Carr's famous Bath Rusks which are ideal for babies and young children. Scores of letters from grateful mothers. Recommended everywhere.

Made only by

CARR'S of Carlisle

The Oldest House in the Trade

keep the till busy-

with
these
2 LINES



"NEWALL" CORDON SPECIALE." (Extra dry.) A sparkling non-alcoholic long drink with the aroma, flavour and invigorating effects of the finest champagne. It has established a wide and ever-increasing circle of customers. As supplied to Royalty. Order stocks now and reap a heavy summer harvest.

"MATEA" —THE Tea without the Tannin—has sold in enormous quantities since its introduction. The unique and delightful flavour, remarkable anti-rheumatic effects and general invigorating powers of MATEA are known to thousands. Increase your profits and ensure regular customers by keeping it in stock.

BOTH THESE LINES ARE EXTENSIVELY ADVERTISED
LIBERAL DISCOUNTS

Sole Producers:

"NEWALL"
Cordon Speciale
"NEWALL"
Cordon Speciale

E. & F. NEWALL, LTD.
10 Philpot Lane, London, E.C.3
ESTABLISHED 1866.



MATEA
MATEA
MATEA
MATEA

MAJAX

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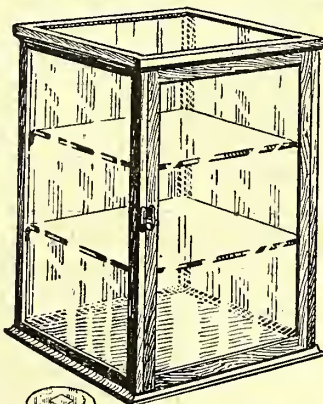
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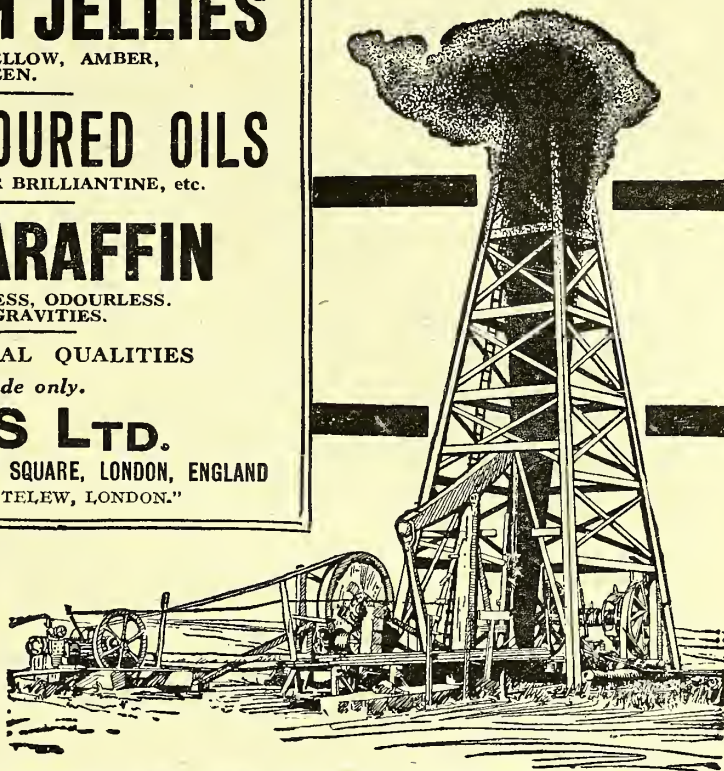
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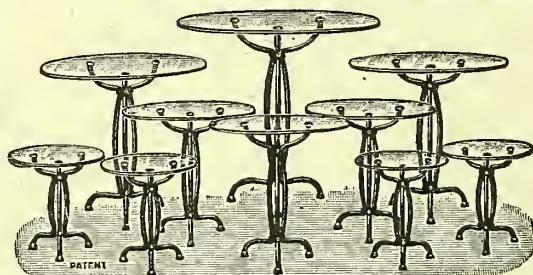
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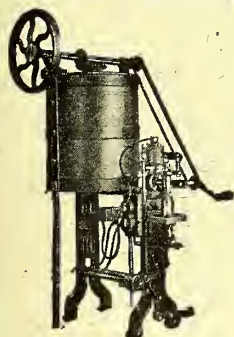
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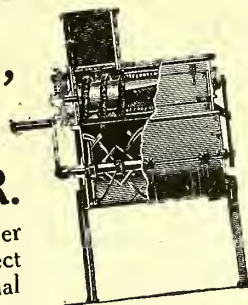
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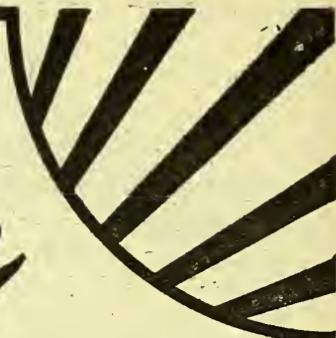
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JUNE 15, 1929

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8.—SCOTLAND (South).—General Retail and Prescribing Business, with Kodak and Rexall Agencies; returns last year £2,012; this year shows a good increase; net profit 24 per cent.; chartered accountant's figures; rent £25 per annum; held on lease; price £200, plus valuation of stock and fixtures.

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13.—WALES (Borders of).—Very good-class Business, with Kodak Agency; established 1762; returns £3,100; with net profit £620; chartered accountant's figures; double-fronted shop, well fitted and stocked; good living accommodation with private entrance; rent £47; long lease; valuation terms entertained.

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3.—**SOUTH WALES DISTRICT**.—Old-established Business, situate in main street; rental £52 p.a.; lease for 7 years will be granted. Offers invited.

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5.—**LONDON, E.**—Old-established Retail and Dispensing Business; returns £5,600 p.a.; good living accommodation; freehold for sale, or would consider granting a lease; strongly recommended. Further particulars on application. (188)

6.—**LONDON, N.**—Established Chemist's Business; premises, which include convenient living accommodation, held on lease, 15 years to run; rental £50 p.a.; stock approx. £285; price asked £550, all at. Further particulars on application. (180)

7.—**LONDON, N.W.**—Retail Dispensing Business on 13 years' lease at £52 per annum inclusive; returns £1,000 p.a.; excellent opportunity for young qualified man. Further particulars on application. (183)

8.—**LANCASHIRE (Seaside Resort)**.—Death vacancy. Old-established Dispensing and Retail Business; lock-up shop under first-class hotel; on lease; returns over last four years average £1,900 p.a.; could be considerably increased under personal supervision; especially recommended. Further particulars on application. (192)

9.—**SHEFFIELD (Suburb)**.—Chemist's Business; recently established; rent 14s. weekly; rates 7s. 6d.; returns approximately £780; could be considerably increased; offers invited. Further particulars on application. (189)

10.—**SOMERSET**.—Drug and Photographic Business; premises, which consist of lock-up shop with room at rear, held on lease with 8 years to run at a rental of £88 p.a. inclusive; good scope for live man; price asked £400. (178)

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17.—**SOMERSETSHIRE**.—Recently established Chemist's Business for immediate disposal; returns £15 per week, which could be materially increased by the introduction of capital; corner shop, with convenient living accommodation; freehold property for sale; valuation terms would be accepted; offers invited. Further particulars on application. (196)

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3.—EAST COAST.—Good-class business, in main road position of popular seaside resort; returns £1,950; no Photo or Optics; excellent chance for live man; same hands many years; now retiring; price £1,550; recommended.

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5.—THAMES VALLEY.—Good-class Family, Retail and Dispensing, in best position of growing district; returns average £1,900; long lease; well stocked; price £1,500.

6.—NORTHANTS.—Light Cash Retail, Dispensing and Photographic Business, in busy town; returns £1,200; plenty of scope in younger hands; same hands 40 years, and retiring; price £800.

7.—MIDLANDS.—Unopposed Mixed Country Business, in colliery district; returns average over £30 weekly; low expenses; house attached; fully stocked; price £525 for quick sale.

8.—HACKNEY (Near).—Well-established Cash Retail, with large Panel; returns £2,200; net profit £550; audited books; low rent; long lease; house attached; price £1,275.

9.—CRYSTAL PALACE DISTRICT.—Old-established light suburban Retail, in good unopposed position; returns £1,265; net profit nearly £400; audited books; good house and shop; well stocked; price £850.

10.—WESTERN SUBURB.—Good-class Light Retail and Dispensing; returns £20 weekly, increasing; well-fitted pharmacy (lock-up) and good stock; price £650.

11.—LONDON, S.W.—Good-class light suburban Retail; returns over £1,500, under manager; good position; scope for increase; modern pharmacy; well stocked; price £975.

BUSINESSES WANTED.

BERDOE & FISH are in immediate want of sound Businesses up to £4,000, and cordially invite correspondence from intending vendors. We have a large number of cash buyers waiting, and are able to negotiate sales quickly and without publicity. Transfer Offices, 41 Argyle Square, King's Cross, W.C.1.

Estab. 1870.

Telephone: Terminus 3574.

CHARLES C. MARSDEN

CHEMISTS' VALUER, TRANSFER AGENT & STOCKTAKER
44 SHOLEBROKE VIEW, LEEDS.

Yorks. West Riding. Unopposed Pharmacy with house. Very low overhead charges. Returns £1,000 at good profits. Two owners in 58 years vendor retiring. Pretty country. Price £550. Leeds. Nicely fitted Drug Store with house. Rent £30. Estab. 30 years. Neglected. Thickly populated district. Price £250.

PATENT.

PATENTS AND DESIGNS ACTS, 1907 to 1928.

NOTICE is hereby given that Charles Jaeger, formerly of Fribourg, Switzerland, now of Sanatorium Universitaire, Leysin, Switzerland, seeks leave to amend the Specification of the Application for Letters Patent No. 290,195 and in respect of an invention entitled "Improvements in a method of preparing a therapeutic product." Particulars of the proposed amendment were set forth in the Illustrated Official Journal (Patents), of the 6th June, 1929. Any person, or persons, may give Notice of Opposition to the amend by leaving Patents Form No. 19 at the Patent Office, 25 Southampton Buildings, London, W.C.2, within one calendar month from the date of the said Journal.

W. S. JARRATT,
Comptroller-General.

PARTNERSHIPS.

HELLETT'S PHARMACY, 11 Sydney Street, Brighton.—Wanted, Junior Partner, small capital, suit one just qualified, with a view to succession; owner has other interests. Apply personally Saturdays or week-end.

QUALIFIED Partner required for growing business in London suburb; moderate capital; living accommodation if desired; good opportunity. 1/28, Office of this Paper.

BUSINESSES FOR DISPOSAL.

BLACKPOOL.—Good-class Business for Sale, busy main road; double-fronted windows; excellent modern fittings; living accommodation attached; electric light throughout; returns for the last two years £2,415 and £2,513 respectively; audited accounts; rent £210 per annum; cheap for quick sale. Apply 273/30, Office of this Paper.

BLACKPOOL.—High-class; splendid position; returning £2,200 yearly; lock-up, with store rooms; rent and rates, inclusive, £117 yearly; excellent premises; valuable lease; price £1,250. Another similar, with living accommodation, well established, and returns never less than £30 weekly in winter; price £1,500. Both genuine offers; stand investigation. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. (Tel.: Failsworth 113.)

BRIGHTON.—Modern double-fronted shop; Kodak Agency; cash trade; main road; returns £1,000, under unqualified management; good living accommodation; 21 years' lease; great scope for increase; next door to Surgery. Apply personally Saturdays or week-end, 11 Sydney Street. Price £900.

CHANNEL ISLANDS.—Well-established Business (35 years); capable of extension; very little opposition; good profits; good sale for own Proprietaries; double-fronted shop; main road; well stocked; convenient premises, with living rooms and store; very low rates and taxes; lease arranged; owner retiring. For further particulars address BM/EXE3, London, W.C.1.

EAST KENT.—Small Branch for immediate sale in middle- and working-class district, returning £15-£20 per week; neatly fitted; good scope for increase under proprietor's sole charge; present owner cannot give attention; low rent; long lease; sacrifice £475. "Salol," 1/15, Office of this Paper.

HEREFORD (Near).—Well-fitted and stocked modern pharmacy; large shop, electric light, and well situated; living accommodation; all in sound order; long lease; returns £2,700; audited; easily worked; rent and rates inclusive £50 per annum; scope for increase; Kodak Agency; value of stock £1,200; value of fixtures, fittings, etc., £500; vendor, who is leaving trade, would give every assistance to purchaser; a real bargain; genuine purchasers only. 1/38, Office of this Paper.

LANCASHIRE (progressive town).—Old-established Business with full Wine Licence for disposal; present hands 31 years; owner retiring; price £1,525. Thomas Kevill, Esq., Solicitor, Chorley.

LANCASHIRE.—Genuine bargain; Drug Store on main road; two windows; electric light; established over 8 years; good opening for a Pharmacist; stock £250; fixtures £150; price of freehold house and shop, which must be sold, £450; chief rent £4 10s.; new assessment £17. Apply to T. Stevenson, 341 Chorley New Road, Horwich, Lancs.

LANCASHIRE.—Drug and Photographic Business; old established; main road; busy town; good scope for young man; owner retiring; rent £28 12s. per annum; returns between £750 to £1,000; could be increased; good living accommodation. Write to 278/20, Office of this Paper.

LANCASHIRE.—Mixed Retail, with N.H.I. and Photographic; Kodak Agency; good living accommodation available; reasonable rent; returns approximately £1,250; room for improvement; double-fronted shop, with electric light; good reasons for disposal; price could be arranged to suit a purchaser with £500 or more. Apply, with references, to 280/34, Office of this Paper.

LONDON, W.—Good-class Dispensing and Family Business for Sale; well fitted and stocked; returns £20 per week, and capable of considerable increase; £650 all at; part can remain. Apply 1/32, Office of this Paper.

LONDON, S.E.—Drug and Photographic Stores, Kodak; main road; working class; well-fitted shop; good windows; electric light; premises redecored; 19 years' lease; rent covered by let-off; £250, plus stock as required; part payment entertained; wonderful chance for young qualified lady or gentleman. Write "W." 30a Warwick Street, London, S.W.1.

MANCHESTER SUBURB.—Well-established Business in central position of good-class district for Sale with property; well stocked; attractive modern fittings; excellent living accommodation; turnover £1,500; increasing yearly; N.H.I.; Kodak Agency; splendid opening for Optics; banker's reference required. Apply 279/22, Office of this Paper.

MIDLANDS.—Country Business, Mixed Retail, at good prices; Kodak Agency, Dispensing, N.H.I., etc.; well stocked; nearest opposition 2 miles; returns 1927, £1,252 16s.; 1928, £1,184 8s. 10d.; 1929, January to May, 22 weeks, £743 5s. 5d.; average this year £34 per week; rent and rates, including good living accommodation, 22s. 6d. per week; gas and electric; owner entering larger business immediately, and will sacrifice for quick sale at £525. 273/29, Office of this Paper.

MIDLAND TOWN (Main Road).—Light Retail, Kodak, N.H.I., etc.; suit elderly or beginner; turnover at present small, but increasing; good living accommodation, lease, etc.; good reason for disposal; will accept valuation of stock and fixtures for quick sale. 1/8, Office of this Paper.

MIDLANDS (Mining District).—Country Business, Mixed Retail, at good prices; Kodak Agency, Dispensing, N.H.I., etc.; well stocked; nearest opposition 2 miles; returns 1927, £1,252 16s.; 1928, £1,184 8s. 10d.; 1929, January to May, 22 weeks, £743 5s. 5d.; average this year £34 per week; rent and rates, including good living accommodation, 22s. 6d. per week; gas and electric; owner entering larger business immediately, and will sacrifice for quick sale at £525. 150/337, Office of this Paper.

NORTH.—Chemist's Retail and Panel Business for sale, together with freehold, lock-up premises, in pleasant suburb of growing town; owner retiring; returns about £25 per week; scope for increase; premises £675, plus stock and fixtures at valuation (about £750); no goodwill. 280/8, Office of this Paper.

NORTH WALES COAST.—For Sale, Branch Pharmacy in growing district; lock-up shop; modern fittings and well stocked; Wine Licence (Medicated Wines only, Hall's, Vibrona, etc.), with possibility of getting restriction removed; Kodak Agency; turnover, under manager, £850-£900; price £500. Apply J. H. Hibbert, F.I.S.A., Lloyd Buildings, Llandudno.

WIGAN.—Old-established Chemist Business for Disposal, situated in main thoroughfare; at present under management; well stocked and fitted; owner wishes to retire; accept value of stock and fixtures, about £750. 279/16, Office of this Paper.

YORKS. (W.R.).—Chemist's Business in mining village; unopposed; established four years; average returns last 2½ years £1,800 per annum without N.H.I. (500 to 800 monthly); stock £550; fixtures £200; rent and rates £140; house attached, three bedrooms, bathroom, electric light, etc.; good reason for disposal; offers invited from genuine buyers. 1/34, Office of this Paper.

A RARE opportunity to acquire a sound, genuine and progressive Business in main road of a South Coast town; showing net profit of £450 to £475 per annum; double-fronted shop (lock-up); good class Retail, Dispensing and Photographic with Kodak Agency; owner, now leaving drug trade, desires a quick transfer; price £1,075. Applications (which should include bankers' reference) to 280/3, Office of this Paper.

A SOUND, newly-established Business, doing, under unqualified girl, £15 to £16 per week; the shop is in a new and growing area, five miles from Birmingham; well stocked and fitted; no house; rent £11 week; price valuation stock and fixtures about £300, and goodwill £50; references required. 150/329, Office of this Paper.

DRUG, General, Tobacco, near Bournemouth; good district for N.H.I.; well stocked. Further particulars, 150/312, Office of this Paper.

FOR Sale, unopposed Village Pharmacy, Hants, 12 miles from Portsmouth; house and shop combined; well stocked. Apply full particulars, H. Sweeney & Son, House Agents, New Road, Portsmouth.

FOR Sale, as a going concern, well-established, high-class Dispensing and Family Business in main street of popular health resort; handsomely fitted double-fronted shop, with modern dwelling-house attached; property, which is freehold, can be bought outright, or leased with option to purchase. Apply 279/37, Office of this Paper.

FOR Sale, in West Riding town (genuine reason), beautifully fitted Lock-up Pharmacy; two modern windows; all new stock; opened last December and a good start made; opposite a Doctor and in a thickly populated neighbourhood; overhead charges very reasonable; good opening for young qualified Chemist; price of stock and fittings only. Full particulars apply Frank W. Hanson, Incorporated Accountant, Jessop Street, Castleford.

FOR Sale, as a going concern, the valuable Goodwill of a Fly-paper Manufacturing Concern; registered trade mark. 150/328, Office of this Paper.

GOOD-CLASS Retail and Photographic Business, with good living accommodation; country or county town; reasonable distance from London; price about £1,300. Particulars to "Aloes," 280/40, Office of this Paper.

HIGH-CLASS, old-established, with valuable Wine and Spirit, etc., Licences; N.H.I., etc.; returns £8,000-£9,000. 150/311, Office of this Paper.

I HAVE at the moment the following exclusive offers (only bona-fide clients with bankers' references entertained):—Midlands. Good class, returning nearly £4,000 yearly; price, with valuable property, £5,300. Liverpool (near).—Returns over £2,000 yearly; offered at valuation; about £1,400 required. Also excellent proposition, Isle of Wight, returning over £2,000 yearly; very low rent; lease; good house; price £1,600, about. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. (Tel.: Failsworth 113.)

OLD-ESTABLISHED Chemist's, etc., country Business in Eastern County, with Wines and Spirits, etc.; unopposed; good living accommodation; walled-in garden and outhouses; N.H.I., Photography; electric light; returns over £2,000; freehold premises, purchase; particulars only to genuine buyers. "J.", 280/10, Office of this Paper.

£175 FOR quick sale, Drug Store, with house attached; working-class; London. Apply 1/10, Office of this Paper.

£175 WILL purchase a compact Chemist's, lock-up (Manchester), few minutes centre of town, doing 1,400 N.H.I. scripts monthly and fair cash returns; suit young qualified admirably; others with living accommodation from £350. Also excellent offer 10 miles Manchester (Drug Store), well fitted and stocked, returning £15 weekly; qualified should easily double; inclusive rent 15s. weekly; lease; good house. Brierley, Chemists' Valuer, 135 Queen Street, Newton Heath, Manchester. (Tel.: Failsworth 113.)

BUSINESSES WANTED.

A DRUG Store or Mixed Business required by unqualified man; country preferred; living accommodation. Price, particulars, "G. F.", 279/20, Office of this Paper.

PRIVATE Chemist wishes to negotiate for good sound business, Manchester district, with £2,000 turnover, or more. Full particulars in first letter as to turnover, expenses, net and gross profits, etc., strict confidence. 150/333, Office of this Paper.

AGENCIES.

SCOTLAND.—Gentleman, with many years' travelling experience best houses and first-class connection Chemists and Stores, desires to hear from firms wishing to be represented on this ground; highest references available. Write 279/17, Office of this Paper.

WANTED, by Manufacturers of British Rubber Fabric Hot Water Bottles and Rubber Sheetings, Agent on commission for County of Essex, and also Agent for Berkshire, Hertfordshire, Buckinghamshire, and Middlesex (west of Harrow). Reply, with all particulars and rate of commission required. 149/301, Office of this Paper.

TENDERS INVITED.

THE DIRECTOR-GENERAL, India Store Department, Belvedere Road, Lambeth, London, S.E.1, invites Tenders for:—

Schedule 1.—Beds, Air; Hot Water Bottles, I.R.; Tubing Drainage, etc. (Samples of materials required with tender.)

Schedule 2.—19,600 gallons Cresol, saponified (sample required with tender.)

Tenders for both schedules due 2nd July, 1929.

Forms of Tender available from the above at a fee (which will not be returned) of 5s. for each Schedule.

IN LIQUIDATION.

IN THE MATTER OF
J. MURROW, LIMITED.
(In Voluntary Liquidation.)

PURSUANT to Section 188 of the Companies' (Consolidation) Act, 1908, notice is hereby given that a Meeting of the Creditors of the above-named Company will be held at the Offices of Messrs. Simmons, Slowman & Co., of 23 College Hill, Cannon Street, London, E.C.4, on Tuesday, the 25th day of June, 1929, at 11 o'clock in the forenoon, for the purposes provided in the said Section. Notice is also hereby given that the Creditors of the above-named Company are required, on or before the 23rd day of July, 1929, to send in their names and addresses and particulars of their debts or claims, and the names and addresses of their Solicitors (if any) to Reginald Walter Slowman, Incorporated Accountant, of 23 College Hill, Cannon Street, London, E.C.4, the Liquidator of the said Company, and, if so required, by notice in writing from the said Liquidator, are, by their Solicitors, or personally, to come in and prove their debts or claims at such time and place as shall be specified in such notice, or in default thereof they will be excluded from the benefit of any distribution made before such debts are proved.

Dated this 7th day of June, 1929.

R. W. SLOWMAN,
Liquidator.

This notice is inserted in order to comply with the requirements of the Companies Act, all Creditors having been or will be paid in full.

PREMISES TO LET.

SHOP to Let on Lease (low rental); excellent position in arterial road, West London; would suit Chemist (M.P.S.); qualified Optician, been established here over 20 years, would occupy rear of premises; if desired, he would entertain disposal of Optical Business as well. Apply to "Owner," 1/25, Office of this Paper.

SHOPS with Flat over to Let on lease in excellent position at Bromley; suit Chemist. Apply Baxter, Payne & Lepper, opposite G.P.O., Bromley, Kent.

SITUATIONS OPEN.

RETAIL [HOME.]

BIRMINGHAM DISTRICT.—Experienced lady Assistant required at once for a progressive position near Birmingham; preference will be given to a smart adaptable lady of personality, who will take a keen interest in her work. Please give details of age, experience, salary, etc., in first letter. 2/185, Office of this Paper.

BRIGHTON.—Junior Assistant (male); must be accustomed to first-class Dispensing business. Please state salary and experience. enclose references, and photo if possible. 280/15, Office of this Paper.

CAMBRIDGE.—Wanted, end of June, a qualified lady Assistant. Apply, stating salary required and usual particulars, to S. F. Barker, 46 Chesterton Road, Cambridge.

CITY.—Young Gentleman required at once as Junior; must be good Salesman, with high-class Dispensing experience. All applications unanswered within three days declined with thanks. Southons, City Chemists, 5 Leadenhall Street, E.C.3.

EASTERN COUNTIES.—Young qualified Assistant wanted for good-class country business; Dispensing and Light Retail; others kept; easy hours; permanency. Please give full particulars, stating age, height, experience, and salary required, to W. H. Stones, 66 Abbeygate Street, Bury St. Edmunds.

LANCASHIRE.—Qualified Chemist to take charge of small Mixed Retail, N.H.I. and Photographic business. Send copies of references, details of experience, etc., to 2/7, Office of this Paper.

LANDUDNO.—Experienced Assistant (age 20/30) wanted for Photographic Printing (Velox); also to assist at Chemist occasionally. State experience and salary required. Macfarlane's, Ltd., Chemists, Llandudno.

LONDON, N.E.—Qualified Superintendent (elderly) wanted; easy hours. 278/4, Office of this Paper.

LONDON, W.1.—Middle-aged Assistant, capable of taking charge; comfortable berth; Window-dresser; good Salesman and abtainer; references essential. Apply 21 Westbourne Grove or 3 Soho Street.

LONDON, N.—A Qualified Manager wanted at once; living accommodation available. Apply, stating age, experience and salary required, to P.C.B. 38/11, Office of this Paper.

LONDON, W.1.—Lady Assistant required; Minor qualification. Must have had good Dispensing experience. Give full particulars in first letter, stating salary required (outdoors); copies of references and photographs should not be sent. 280/35, Office of this Paper.

LONDON, S.W.—Qualified Manager required for a working-class business, with N.H.I. and quick Cash Counter trade; applicants must be experienced and be prepared to take a keen interest in the progress of the business; no house. Give age, salary required, and full particulars of experience. 2/190, Office of this Paper.

LONDON, S.E.—Qualified Manager (married) required for a branch, with house attached, in industrial area; quick cash and N.H.I. business; exceptional opportunity for a young man anxious to make progress. In application give age and previous experience, also state salary required. 2/186, Office of this Paper.

LONDON, N.—Qualified Manager, with experience in middle-class Family and Dispensing business, required immediately; applicants must be married, and possess excellent references; an agreement on turnover will be given to a man of ability, and every assistance will be rendered to make his business a real success; house attached. 2/18, Office of this Paper.

LONDON, N.—Smart qualified Manager (28-30) required for a busy shop in main road; middle-class business with plenty of N.H.I. Give full particulars of age, previous experience, salary required, etc. 2/191, Office of this Paper.

MANCHESTER.—Energetic Manager wanted for middle-class business. State particulars of age, experience, references, and salary required to 275/33, Office of this Paper.

MANCHESTER.—Qualified Manager wanted at once for middle-class branch; must be keen and energetic; permanency; state if knowledge of Optics. Full particulars of age, experience, height, salary required, and references. H. Garbutt, 96 Princess Road, Moss Side, Manchester.

NEAR LIVERPOOL.—Competent Assistant required, age 27-30, for Cash Retail, N.H.I. Dispensing and Photographic business; qualification not essential; abstainer; must be well recommended; permanency for good all-round man. Give full particulars of experience, age, height and salary required to 1/40, Office of this Paper.

NORTH MIDLANDS.—A vacancy occurs for an experienced Manager to take charge of a Light Retail and Family business on the outskirts of a large town; applicants must be married, as a good house is attached to this business. 2/187, Office of this Paper.

NORTH-WEST LONDON.—We require the services of a qualified Manager who is capable of managing a high-class Chemists' business, with a large amount of Dispensing; the berth must be given to a man possessing exceptional ability, and a good agreement is waiting for someone with personality and ambition; no house. 2/189, Office of this Paper.

SHEFFIELD.—Gentlemanly Assistant, with good experience, about 25 years of age, unqualified, for Light Retail, Dispensing (N.H.I.) and Photo business. Full particulars, age, experience, salary required, etc., 2/3, Office of this Paper.

SOUTH DEVON COAST.—Wanted, capable Assistant for high-class business; Dispensing, Toilet, Photographic. All particulars, age, references, and salary required (outdoors) to 278/23, Office of this Paper.

WORCESTERSHIRE.—Young, reliable Qualified Assistant, single, for good-class business in country town; preference given to one experienced in Photography, Toilet and a good Window-dresser; suitable for one desiring a permanency under congenial conditions. Give particulars as to age, experience, references and salary required, and when at liberty. 1/380, Office of this Paper.

WEST END.—Gentlemanly Assistant, with best-class Dispensing experience, wanted shortly; permanency to suitable man. Apply, by letter only, giving full particulars, to Rees, 1 Rosemont Mansions, Hampstead, N.W.3.

WEYMOUTH.—Efficient, keen, experienced, unqualified Assistant (gentleman) required for season; possible permanency; age not under 25 years. Photo and full particulars to Gregory & Sons, Dispensing and Photographic Chemists, St. Thomas Street, Weymouth.

ASSISTANT, unqualified, required for good-class business in London, S.E.; good prospects for experienced and thoroughly trustworthy man desiring comfortable permanency; interview essential. "P. B. P." 10 Powis Street, Woolwich, S.E.

ASSISTANT, unqualified, required at once; age 21-23; good Dispenser and Window-dresser, with Photographic experience essential; must have served full apprenticeship in good-class pharmacy; highest references and good appearance necessary. Apply personally, Underwoods, Cash Chemists, 244a High Street, Lewisham, S.E.

ASSISTANT (lady or gentleman) required early July; must have had good Dispensing, Counter and Window-dressing experience. State age, height, salary required, and full particulars to R. A. Neville, Chemist, 74 Cowley Road, Oxford.

ASSISTANT (male) required; must be thoroughly competent in all branches, capable of taking charge, and have had extensive practical D. & P. experience. State wages required and furnish copies of last three testimonials; near London; interview. 1/13, Office of this Paper.

CHEMIST-OPTICIAN, qualified, required as Manager of Branch; Central London. Full particulars, salary expected, etc., to 280/27, Office of this Paper.

COMPETENT Assistant; qualified; accustomed to high-class Dispensing and Retail business, with Photographic; permanency if suitable. Apply, giving full details of previous experience, age, height, married or single, salary required (outdoor), and when disengaged, to D. T. Evans, Ltd., Chemists and Opticians, Broadstairs.

COPPEN BROS. require a Locum (fully qualified) for their Richmond (Surrey) branch, two weeks commencing August 26 to September 7; no Sunday work. Apply personally 10-12 or by letter, Coppen Bros., 12½ Carey Street, Vincent Square, Westminster.

COOPER, SON & CO., LTD., have a vacancy for a Qualified Assistant (gentleman) with good Dispensing and Counter experience. Apply by letter, giving full particulars of experience and salary required, to "A. J. B. C." 80 Gloucester Road, South Kensington, London, S.W.7.

E. C. PERKS & CO., 1 Sloane Square, S.W.1, require an experienced Assistant (male); indoors. Please state by letter the usual particulars and salary required.

EXPERIENCED Junior Assistant required for London, W.; must be used to a middle-class trade and have had Dispensing and Counter experience. Please state age, salary required, etc. 2/180, Office of this Paper.

GENTLEMANLY Assistant for the season, experienced in Drug and Photographic Counter; good Salesman; unqualified. Please state references and salary (outdoors). Thorp & Son, Chemists, Bognor.

IMMEDIATELY.—Qualified Manager required (age 35-40) for a good Family Dispensing Business in best part of North London; permanency for a good man. Give full particulars of age, experience, salary required and when at liberty. 2/188, Office of this Paper.

JUNIOR required immediately; permanency for right man; three other assistants kept; applicants must be willing to help in all branches, Dispensing, Counter, etc. Particulars of experience and salary required to H. Smart, Chemist, High Street, Littlehampton.

LADY Assistant, with knowledge of Surgical and Medical Requisites, required for Counter work in West-End Store; age 28 to 32. Apply, personally before 11 a.m., Staff Supervisor, Messrs. Whiteley's, Ltd., Queen's Road, Bayswater, W.

LADY Assistant; qualified; Square trained; no Sunday duty; half-holiday; salary £4 weekly; permanency. Hora, 346 York Road, Wandsworth, London, S.W.18.

LOCUM; qualified; Manager or Assistant; July 8 to 20; knowledge of Optics advantage, not essential. Linsley's, Chemists and Opticians, 308 Earl's Court Road.

LOCUM, qualified, wanted for fortnight, July or August; good Dispensing experience essential. Kindly give references and salary required. G. Humphreys, 50 High Street, Northwich, Cheshire.

LOCUM, immediately; qualified. State age and particulars to Hy. Sagar, Chemist, 26 Dorothy Road, Hillsborough, Sheffield.

LOCUM, unqualified, wanted early in July; must be highly experienced man in all branches; permanency if suitable; good references essential. "G. S.," 117 High Street N., East Ham.

LOCUM wanted for week or fortnight commencing July 7; qualified; lady or gentleman; Wilts. 278/21, Office of this Paper.

LOCUM (lady), experienced, chiefly Counter work, for holiday duty about three weeks July or beginning August. 280/18, Office of this Paper.

MANAGER, about 30, married preferred, for busy Cash Business, with considerable N.H.I., in medium working-class district; London, S.W.; salary £5 10s. weekly, with house over shop rent free and liberal commission on increased net profit; good prospects for capable man who is a tactful Counterman and not afraid of work. State age, height, details of experience and when at liberty; interview will be required. 280/29, Office of this Paper.

QUALIFIED Junior wanted for good-class Family and Dispensing business. Apply, with full particulars, to Cox & Robinson, Stony Stratford.

QUALIFIED lady or gentleman wanted at once for country business near Maidstone. Full details of experience, salary, etc., should be given in first letter. Applications not answered in three days respectfully declined. Roland Smith, 55 High Street, Tunbridge Wells.

QUALIFIED Assistant (male or female) for S.E. London. Apply by letter only, stating age, experience, and salary required, to "Chemist," 41 Burdett Road, E.3. One month's trial; permanency if suitable.

QUALIFIED Junior (either sex) required immediately. State age, experience, salary asked, and all necessary particulars. The Wycombe Drug Co., Ltd., 35/36 Oxford Street, High Wycombe.

QUALIFIED Locum required from August 3 to August 17 and August 31 to September 14; one or both periods. State age, salary, experience, to 150/326, Office of this Paper.

QUALIFIED Manager for Family Dispensing Business, with photographic, near Leeds; house if required. Kindly give full details of age, experience, etc., to 280/5, Office of this Paper.

QUALIFIED; part time, 4½ days a week; no Thursday afternoon, Saturday or Sunday; usual shop routine; £3 per week; East London. Age and experience to 280/28, Office of this Paper.

QUALIFIED or unqualified for small branch, East Kent; please state full particulars and send photo if possible; wanted at once; good references necessary; light duties. "Lithia," 1/150, Office of this Paper.

QUALIFIED man required, July 8 to 28 inclusive; Ilford district. 1/27, Office of this Paper.

QUALIFIED Manager (married man preferred) for light Retail and Dispensing Branch; good house. Please state full particulars in first instance, with salary required. A. E. Baylis, Chemist, Church Street, Great Malvern.

QUALIFIED lady Assistant required for Family and Dispensing Business in North London; applicants must be smart at the Counter and be accurate Dispensers. Give full particulars of age, salary, previous experience, etc. 2/184, Office of this Paper.

QUALIFIED Manager required, experienced in middle-class Family business, for North London; must be keen and ambitious and be a good Window-dresser; applicants must be married, as there is a house attached to the business; good opportunity here for a man who is anxious to get on. 2/181, Office of this Paper.

REQUIRED for July, August and part September, unqualified Locum or Junior; preferably one who could do some D. & P. work. Apply P. J. Pinson, M.P.S., Chemist and Druggist, 186 Mare Street, Hackney, E.8.

SMART qualified man immediately for new Pharmacy, London, West-End; must have good-class experience and character to bear strict investigation; an interest may be given to capable man. State age, experience, and salary required, with references from recent employers. 280/32, Office of this Paper.

TEMPORARY relief, either sex, July to September inclusive; one week's salary in lieu of holiday; suit student or recently qualified; easy access to London. State full experience and salary. Matthews & Son, Chemists, 722 High Road, Leytonstone.

TIMOTHY WHITES (1928), LTD., following the opening of new branches, require several experienced, qualified Managers with ability and energy; good prospects; free removal. Please apply, giving full particulars, to Assistant Secretary, Timothy Whites (1928), Ltd., Chemists, Portsmouth.

UNQUALIFIED Junior Assistant required; male; outdoors. Apply, stating age, experience, and salary required, to Terrington, Chemist, Herne Bay. Applications not answered within four days respectfully declined.

UNQUALIFIED Junior required for high-class Dispensing business in London, W. State age, salary, references, etc., to 279/40, Office of this Paper.

UNQUALIFIED Assistant wanted, about 24; quick and reliable Dispenser and good Counterman. State age, height, experience, salary, and references. R. T. Christopher, Bradford-on-Avon, Wilts.

WANTED, Locum from August 16-September 2 inclusive. Please send references and salary required to 150/315, Office of this Paper.

WANTED, immediately, qualified lady or gentleman to manage village business; assistant kept; live out. State age, experience, with references and salary required in first letter. Bacott, Chemist, Teynham, Kent.

WANTED, a thorough capable, experienced man, qualified preferred, as Manager in Herbal and Drug Stores, with sound knowledge of Surgical Appliances. Write, stating full particulars and salary required, to 279/19, Office of this Paper.

WANTED, qualified Junior Assistant (male) for high-class Dispensing and Retail. State height, age, salary required and experience. W. E. Matthews, Ltd., 40 George Street, Croydon.

WANTED at once, qualified (lady or gentleman); good Dispenser and salesman. State experience and salary required, to "Chemist," c/o G.P.O., Sheffield.

WANTED, lady or gentleman; Minor qualification; London; Counter and Dispensing; comfortable berth; £2 indoors, £3 10s. outdoors, or could arrange part-time. Please apply, with particulars, 1/24, Office of this Paper.

WE have a vacancy for a young Qualified Chemist to manage one of our businesses in an industrial suburb of Manchester, having a fair amount of N.H.I. Dispensing; the position calls for a married man who possesses undoubted ability, and to a manager who is anxious to prove his worth the business offers unlimited scope; house attached. 2/183, Office of this Paper.

YOUNG lady Assistant, able manage small branch; Toilet, Packed Drugs and Photographic (no dispensing). Particulars experience, photo, and two last references. Bathe's Drug Stores, 24 Fleet Street, Torquay.

YOUNG Qualified Man wanted as Superintendent for old-established West-End Private Company; must be quick and accurate Dispenser. Apply, stating salary, to 150/332, Office of this Paper.

YOUNG and energetic Manager (qualified) required for relief duties; the work will extend to the end of September, and a permanent Managership will be given to an applicant who proves his worth; this is a rare opportunity for a man who wishes to gain wide and varied experience before settling down. All particulars in first letter, please. 2/182, Office of this Paper.

WHOLESALE.

LONDON.—Competent and experienced Lady Typist and Book-keeper required by an established firm of Manufacturing Chemists and Export Merchants; neat writer essential; applications from candidates desiring a permanent, progressive position preferred. P.C.B. 38/5, Office of this Paper.

LONDON.—Capable Representative, calling on Medical Profession and Chemists, required; salary and commission; good prospects for right man. Apply, giving full particulars, salary required, etc., 150/331, Office of this Paper.

A YOUNG qualified Chemist required for South Wales and West of England, to represent Surgical Instrument and Sundries House, calling on Hospitals and medical profession; excellent opportunity for keen, young man; previous experience not essential, but applicants must be energetic. 277/36, Office of this Paper.

ABLE Representatives, with excellent Departmental Store connections, required throughout United Kingdom (especially London), Ulster and Irish Free State by old-established Rubber Manufacturers, to Sell Hot-water Bottles, Bathing Caps, Sponge Bags, Bathing Shoes; 10 per cent. commission and part expenses after trial period. 150/330, Office of this Paper.

EXHIBITIONS.—Wanted, Gentleman able to design and oversee exhibits, window displays, showcases and fittings; must be accustomed to erect large and small stands at exhibitions. State experience, age and salary wanted to 150/327, Office of this Paper.

LONDON Patent Medicine House require smart girl; age 17-18; used to taking telephone orders; only quick and capable one need apply. Write full particulars, 150/310, Office of this Paper.

REQUIRED, the part-time services of an experienced Medical Propaganda Representative on the South Coast; the line is a Proprietary Preparation already well known to the medical profession; applicants must already represent an established house. Please state salary required and full particulars of past experience; if possible send photograph. Apply "J. D. H.," 150/309, Office of this Paper.

REPRESENTATIVE required by old-established Pharmaceutical Specialty House; age 30-35; good knowledge of Therapeutics and Pharmacy essential. 150/315, Office of this Paper.

REQUIRED, by an old-established Patent Medicine and Sundry House, a Representative who is resident in the West of England. Full particulars to 150/314, Office of this Paper.

SMART boy wanted, aged about 16, for order room; one used to fancy or proprietary goods preferred; good prospects. Write particulars and salary required to "Nagele's," 8/12 Edward Street, Wardour Street, London, W.1.

TABLETS AND PILLS.—High-class established manufacturing firm require part-time Salesmen, carrying non-clashing lines, on a small salary and liberal commission basis; only first-class men with proved selling ability considered. Apply 150/334, Office of this Paper.

TRAVELLERS wanted, keen in specialities, young, for all provinces, connections Cutlers, Chemists, Hairdressers required. Write, stating salary, commission, expenses and references with first application, to "Progress," c/o Keymers Advertising Agency, 1/3 Whitefriars Street, E.C.4.

WANTED, for small Wholesale House, Lancashire, capable Assistant, unqualified, for general warehouse duties; thorough knowledge of trade essential. Reply, stating age, experience, references and salary required, to 278/30, Office of this Paper.

WAREHOUSEMAN required, accustomed to export packing. Write, giving full particulars, Stevenson, Wholesale Druggist, 122 Gt. Suffolk Street, Borough, S.E.1.

(COLONIAL, INDIAN AND FOREIGN.)

CALCUTTA.—Qualified Assistant required by first-class English firm; passages paid on usual agreement terms; director, now in England, will interview likely candidates. Apply "E. H.," 149/285, Office of this Paper.

MADRAS.—Chemist (Pharmaceutical). Young Assistant required for India (Madras) by old-established firm; salary about Rupees 500 monthly, rising annually rupees 25 per annum; 4 years' agreement; unmarried; capable Dispenser; must have Minor qualifications; passage paid. Write, giving full particulars of age, experience, etc., to Box "Y. Q.," c/o Davies & Co., 95 Bishopsgate, London, E.C.2.

RHODESIA.—Wanted, qualified Assistant; 3 years' agreement; £560, £390, £420; passage paid; abstainer preferred. State age, record, with copies testimonials. "H.," care Davis & Soper, Ltd., 54 St. Mary Axe, London, E.C.3.

SITUATIONS WANTED.

RETAIL. [HOME.]

A.A.A..—QUALIFIED, 32, married, 7 years as Manager, Dispenser and Window-dresser, desires change; business must be well established, with brisk trade, affording scope and good prospects; London or provinces. "Chemist," 42 Pembury Road, Clapton, E.5.

A.A.A..—ASSISTANT; 22; unqualified; 6 years' good all-round experience; good references; competent. Wright, Lansdowne Terrace, Heysham, Morecambe.

A PHARMACIST, 27, requires post as Manager; North London or within 30 miles; experienced; reliable. Please state salary. 280/26, Office of this Paper.

A S a good all-round General Assistant, Manager, Senior or Locum; used to busy business, good Dispensing and heavy Panel; Counter, as Salesman; keen buyer, accountant, and trustworthy; right-hand man; 20 years' experience limited companies. "G.," 130 Scott-Ellis Gardens, N.W.8.

A DVERTISER, unqualified; married, 37, seeking change; West of Eng.; permanency; accurate Dispenser; reliable; over 4 years present situation. 279/29, Office of this Paper.

A SSISTANT, Locum or permanent; unqualified; all-round; reliable, experienced. "Chemicus," 73 Warwick Street, Westminster, S.W.1.

A SSISTANT, middle-age, experienced Dispenser, or take a Locum work; moderate salary. "T.," 50 Gladstone Street, Battersea, S.W.

A SSISTANT; unqualified; excellent references; experienced a Counter, Dispensing, Photography; town or country; interview arranged. Hobson, 3 Town's View, Stalybridge.

A SSISTANT, unqualified, 33, married, desires permanency; 15 years' experience, specialising in Photography; keen Salesman; energetic and reliable; excellent references; disengaged. Williams, 45 Holly Road, Chiswick, W.4.

A SSISTANT, unqualified; experienced; Counter, Photographics, Dispensing; Locum or permanent; manage Drug Stores; London, Metropolis, only. Write 1/31, Office of this Paper.

A SSISTANT, unqualified, 30, married; Locum or permanent; 12½ years' good-class Counter, Window-dressing, Dispensing, Photographic (D. & P.); keen, active, enterprising, obliging, trustworthy and capable; would manage drug stores. "Gordon," Kingston, West Dupton Lane, Broadstairs.

A UGUST 19 to 31, inclusive, vacant Locum date; South-West coast. "M.P.S., F.B.O.A.," 7, Elmwood Gardens, Acton, W.3.

BIRMINGHAM DISTRICT.—Assistant, 22, unqualified, 5 years' experience, Dispensing, Counter, Window-dressing, Photographic, seeks situation immediately. E. Dunn, 87 Regent Street, Leamington Spa.

CHEMIST, with business in industrial town, desires two weeks, August, Locum in seaside village; West England. 279/13, Office of this Paper.

CHEMIST, experienced, 32, married, requires post, Manager or Assistant. Griffiths, Werfa Henllan, Cardiganshire.

DISENGAGED. — Locum; active, obliging, middle-aged; unqualified; before July 22, after August 17. "Chemist," 91 Duncombe Road, Holloway, N.19.

DISPENSER and Assistant (lady), qualified (Hall), 12 years' experience, requires post with Doctor or Chemist in London. "A. H.," 156 Elgin Avenue, W.

DISENGAGED; unqualified; West-End experience; permanent or Locum. Arthur, 62 Caldecot Road, Denmark Hill, London, S.E.5.

ELDERLY, qualified, desires employment with short hours of part-time; outdoors. Baker, 81 Elgar Road, Reading.

EXPERIENCED Dispenser-Böök-keeper, Hall certificate, desires post. Miss Walkden, Embrook Farm House, Wokingham, Berks.

EXPERIENCED, unqualified Assistant wants permanency; married; 38; Dispensing, Counter, Window-dressing, Store; suburban, country experience; good references; good appearance and trustworthy. F. Field, 23 Sydenham Road, Sydenham, S.E.26.

EXPERIENCED, unqualified Assistant seeks outdoor berth; active, industrious, courteous; 4 years present situation; 12 former. 280/11, Office of this Paper.

LADY Dispenser, qualified, experienced, requires holiday work, August 19 to August 31; small salary for comfortable post. 279/10, Office of this Paper.

LADY Dispenser, qualified, good experience, desires post, Locum or permanent, to Doctor or Institution. 278/24, Office of this Paper.

LADY Assistant; 10 years' (London) good-class experience; quick; reliable at Counter; Drugs, Toilet, Photographics. "M. H.," 35 Miranda Road, Highgate, N.19.

LADY Dispenser (Hall), used to busy Out-patient Department; 8 years' references; free. P.C.B. 38/4, Office of this Paper.

LOCUM (Hall); Dispenser-Secretary; experienced; excellent references; town or country. Miss Cole, 79 Weldon Crescent, Harrow, Middlesex.

LOCUM; M.P.S.; elderly; country businesses a specialty; free. "F. J.," 279/23, Office of this Paper.

LOCUM; qualified; well recommended; open July 6 to 20. P.C.B. 37/310, Office of this Paper.

LOCUM; M.P.S.; disengaged June 22 to July 6; London or suburbs. Evans, c/o J. M. Cuthbert, 1102 London Road, Norbury, S.W.

LOCUM; qualified; free July 29, August 10, August 26; September 7 inclusive. Jones, 57 Brown Road, Walthamstow, Essex. Phone: Chiswick 4918.

LOCUM; unqualified; 21; taking Part II October; good West-End experience; quick and accurate Dispenser; free July 6-August 10; London or suburbs. "Penshurst," Forty Lane, Wembley.

LOCUM; thoroughly competent; only vacant date, July 15 to 27 inclusive. "Chemicus," 56 Rudloe Road, Balham, S.W.12.

LOCUM; unqualified; July 1, August 12 to 17 engaged; forward dates; can manage. "Radix," 72 Tremadoc Road, Clapham.

LOCUM; age 48; well recommended by private and wholesale chemists; liberty after June 22. "Chemist," 11 Riverside Cottage, St. Neots, Hunts.

LOCUM; thoroughly competent; free June 24 to July 15; highest references; unqualified. "F.," 131 Mount View Road, N.4.

LOCUM or Manager; qualified; town, seaside or country; tall; capable, experienced man; disengaged. H. B. Perry, "Woodlands," Oxford Street, Barry, Glamorgan.

MANAGER, ASSISTANT, or SUPERINTENDENT for company; London; middle-aged; salary £4 a week. Summers, 98 Greyhound Lane, Streatham Common, S.W.16.

MANAGER; qualified; 35; married; tall; energetic; all-round Counter and Dispensing experience; good Window-dresser; North or Midlands preferred; disengaged June 24. B. Mills, 77 West Street, Crewe.

M.P.S. DESIRES post as Locum; Manager or Assistant; London or suburbs preferred; just disposed of own business; age 35. 280/7, Office of this Paper.

PART-TIME; chiefly Dispensing preferred, but with much experience other branches. Hall, 32 North Street, S.W.4.

PHARMACIST, middle-aged, double Optical qualification, J.C.Q.O., Refraction, Hospital training, seeks position; temporary or permanent; South Coast preferred. "F. B. O. A.," 280/21, Office of this Paper.

QUALIFIED, 32, 8 years' experience management, desires part-time work, mornings and evenings. P.C.B. 37/31, Office of this Paper.

QUALIFIED, 35, 6 years of management, desires change to busy shop with scope for increase; highest testimonials; Counter, Prescribing, Windows, Photography, etc.; free two weeks' notice. 279/15, Office of this Paper.

QUALIFIED; Manager, Locum; 30 years' experience; good Prescriber and Dispenser; conscientious; present situation 5½ years; disengaged June 24. "H. P.," 64 Church Road, Upper Norwood, S.E.19.

QUALIFIED; single; all-round experience; references good; disengaged June 23-30 and after July 7. "S.," 34 Cambridge Gardens, Hastings.

QUALIFIED; Manager or Assistant; 6 years' West-End experience; accustomed to French and American business. P.C.B. 38/9, Office of this Paper.

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QUALIFIED, experienced Pharmacist desires change; Locum or permanency; elderly; active; disengaged about July 9. "M.P.S." 1/6, Office of this Paper.

QUALIFIED, age 28, desires position as Manager or Assistant in good-class business; 12 years' London, provincial and Continental experience; all-round ability; good appearance; well recommended. 1/33, Office of this Paper.

QUALIFIED Locum, young, desires situations in July and August; London districts preferred. 1/36, Office of this Paper.

UNQUALIFIED, middle-aged, thoroughly experienced Locum work, open for engagement. "Statim," 65 Birrell Road, Nottingham.

UNQUALIFIED Assistant; 6 years' all-round experience; keen Salesman; energetic; Dispensing and Photography. Green, 57 Teneriffe Street, Broughton, Manchester.

YOUNG lady, referred Apothecaries' Hall, just left College, requires post with Doctor or Chemist; permanency; moderate salary. Wilson, 11 Kirkstall Road, Streatham Hill, London, S.W.2.

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ADVERTISING.—Capable, energetic man desires position with leading London or provincial firm; thorough experience with well-known London house; complete control advertising, propaganda work, or would consider similar position. For full details apply 1/7, Office of this Paper.

GENTLEMAN, representing well-known Proprietary, London ground, could successfully handle other non-competitive lines. 150/335, Office of this Paper.

P.H.C., 25, educated Scottish University College, home and Continental Retail, Bacteriology, Analytical work, journalistic and literary ability, Italian, French, German, desires remunerative position. P.C.B. 38/3, Office of this Paper.

QUALIFIED, 28, 13 years' Retail experience, requires post as Representative with progressive house; not afraid of hard work; West of England and South Wales preferred, owing to personal acquaintance with most of the leading chemists in this area. 1/39, Office of this Paper.

REPRESENTATIVE; valuable 3,000 Chemists' and Doctors' connection in South-Eastern and Western Counties, to good House; permanent engagement desired; Proprietary lines preferred; salesmanship and propaganda on neglected ground a speciality; good appearance and address; own car; salary and expenses basis; locate anywhere. S. W. Hceason, 4 Ashbourne Grove, Hale Lane, Mill Hill, N.W.7.

REPRESENTATIVE, calling on Chemists in North London, is anxious to carry good side line; very small commission required; please state nature of goods. "Sundries," 279/30, Office of this Paper.

YOUNG gentleman, keen and enthusiastic, desires position as Representative in Midlands; resident in Leicester; thoroughly conversant with all branches of Pharmacy; 14 years' experience in highest class Retail and Wholesale; expert Window-dresser and Salesman; strong personality, good appearance and address; highest references and personal character; salary and expenses. 280/2, Office of this Paper.

(COLONIAL, INDIAN AND FOREIGN.)

SUCCESSFUL Dentist of several years' experience, retiring from practice, would represent Drug or other firm or Detail Work among Physicians and Dentists; best references; territory desired, Toronto, Canada, and district. 273/33, Office of this Paper.

FOR SALE.

TICKET Showcard Embossing Machine; late demonstration model; cost £30, with type; £11, or offer. Houseman, Chemist, 65 New North Road, N.1.

FOR Sale, Baby Ciné Projector, Dynamo, Type C, Screen and all Accessories, including Films, etc.; all new. Offers to J. H. M. Land, 2 Infirmary Square, Leicester.

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£87 15s.—SET OF MAHOGANY FITTINGS.—10 ft. Drug Run, 30 drawers (glass knobs and labels), shelves, cupboards and lockers; 10 ft. glass-fronted Counter, nest of 13 drawers at back; 6 ft. Wallcase, 6 ft. Dispensing Screen, Perfume Case and Desk. Illustrations on request. **E. BERG, LTD.**, 335 Old Street, London, E.C.1.

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OPTHALMOSCOPE, electric, Morton's Marple latest model, complete in case; cost 6 guineas; perfect condition; almost new; accept 70s.; approval. 279/14, Office of this Paper.

TRUSSES, seven left, four right inguinal, five left, one right, and five double, Scrotal, saleable sizes, leather covered, slightly shop soiled, lot 20s., free. Duck, Arcade, Cardiff.

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POWER Powder Mixing and Sifting Machine required (second-hand). Write 150/308, Office of this Paper.

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